A2000-2

Annual Statistical Report

AMERICAN
IRON AND STEEL
INSTITUTE
1985

AMERICAN IRON AND STEEL INSTITUTE
1000 16TH STREET, N.W., WASHINGTON, D.C. 20036

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1985 YEAR IN REVIEW

During 1985 the steel industry of the United States continued to experience serious difficulties, largely because of a high volume of steel imports that depressed domestic shipments and selling prices.

As the year began industry leaders had reason to believe it would be a substantially better year for the steel industry than the three years that preceded it. Steel industry operating costs had been cut impressively, and declining interest rates had stimulated the economy. Also, President Reagan's program to control steel imports was being implemented.

As the year progressed, however, steel imports continued to flow into the U.S. in volumes only slightly below the record levels of 1984, and depressed steel prices fell even lower. By year-end the industry, operating at only two-thirds of its shrinking capability, had shipped less steel than in 1984, and steel segment net income, after recovering nearly to the break-even point the year before, had again plunged sharply.

FINANCIAL

Companies accounting for 81.1 percent of the nation's steel production had an aggregate operating loss in the steel segment of their businesses of well over $1.7 billion in 1985, compared to a comparable loss of about $31 million the previous year.

Industry steel segment operations recorded their last overall profit in 1981. In the four subsequent years, total losses for these operations reach nearly $7.4 billion.

Steel segment sales in 1985 totaled $29.5 billion, compared to $30 billion the previous year.

Despite its continuing problems, the steel industry increased its steel segment capital spending to nearly $1.7 billion in 1985, up 40 percent from $1.2 billion the previous year. These investments have been concentrated largely on productivity and quality enhancing equipment, such as continuous casters, automated controls and electrogalvanizing lines. However, current investment in steelmaking equipment is not considered adequate to maintain an appropriate level of modernization.

In 1985 steel segment long term debt rose to nearly $7.2 billion, up 12 percent from $6.4 billion in 1984.

PRODUCTION

U.S. raw steelmaking capability continues to decline. At the beginning of 1986, it was estimated to be 127.9 million tons, down from the 133.6 million tons reported for 1985. Since 1981, U.S. steelmaking capability has dropped more than 26 million tons, or about 17 percent.

During 1985 the American steel industry operated at an average of 65.4 percent of its capability, compared to a rate of 68.4 percent in 1984, when its capability was 135.3 million tons.

U.S. raw steel production in 1985 was 87.3 million tons, compared to 92.5 million tons the previous year, a drop of 5.6 percent.

Continuous casters processed 44.4 percent of the nation's raw steel during 1985, up from 39.8 percent in 1984 and 32.1 percent in 1983. An AISI survey indicates that by 1988, at least 60 percent of all raw steel produced in the United States will be processed by this labor-efficient, energy-saving, quality-enhancing technology.

Of 1985's total raw steel production, 51.9 million tons, or 59.4 percent, was made in basic oxygen furnaces. Electric furnaces accounted for 29.0 million tons, or 33.2 percent of total output. Open hearth production fell to 6.4 million tons, or 7.4 percent.

That compares to 1984 basic oxygen production of 52.8 million tons, or 57.1 percent of total output, electric furnace production of 31.4 million tons, or 33.9 percent of the year's total, and open hearth output of 8.3 million tons, or nine percent of the total.

Last year's total steel production included 75.8 million tons of carbon steel, 1.7 million tons of stainless and heat-resisting steels and 9.8 million tons of alloy steels other than stainless and heat-resisting. These totals were down from 1984, when carbon steel output was 79.9 million tons, that of stainless and heat-resisting steels 1.8 million tons, and production of other alloy steels was 10.8 million tons.

Indiana, with 19.7 million tons of output, remained the nation's leading steel-producing state, followed by Ohio, with 14.1 million tons of production and Pennsylvania, with 12.1 million tons. Other leading steel-producing states were Michigan, with 7.3 million tons, Illinois, with 6.5 million tons and Texas, with 4.5 million tons of output.

SHIPMENTS

In 1985 American mills shipped 72.7 million tons of finished steel, a drop of 1.4 percent from the previous year's total of 73.7 million tons, down nearly 18 percent from the 88.5 million tons shipped in 1981, and down 27.5 percent from the 100.3 million tons shipped in 1979.

Domestic steel shipments to capital goods producers fell to four million tons in 1985, down 22.5 percent from the previous year's 5.1 million tons. In 1980 this market took nearly eight million tons of domestic steel shipments.

The hard times experienced by American farmers showed up in the sharp drop in shipments to the agricultural market, which includes producers of farm machinery and equipment. They fell 12.6 percent last year, to 469,000 tons. This market took 1.2 million tons of domestic steel in 1980.

Also off substantially were shipments to container markets, which took 4.1 million tons of domestic steel last year, compared to 4.4 million tons the year before and 5.6 million tons in 1980. Appliance makers took 1.4 million tons of domestic steel in 1985, compared to 1.5 million tons the previous year.

However, domestic mill shipments to steel service centers rose to 17.5 million tons in 1985, compared to 17.0 million tons the previous year. Service centers meet the metal supply needs of thousands of U.S. manufacturers and fabricators, and last year they constituted the domestic steel industry's largest market.

Also up were shipments to the auto industry, which reached 12.7 million tons last year, compared to 12.5 million in 1984, and shipments to the construction industry, which took 9.1 million tons of domestic steel in 1985, compared to 8.7 million tons the year before. An increasingly important market, converters and processors, received five million tons of domestic steel shipments last year, compared to 4.8 million tons in 1984. Shipments to the oil and gas industry held just about steady at 1.7 million tons.

Shipments of sheet and strip, at 37.1 million tons, accounted for 51 percent of last year's domestic mill shipments. Bars and tool steel, at 12.3 million tons, accounted for 16.8 percent, while plates and shapes, at 9.2 percent, were 12.6 percent of the total.

At 4.4 million tons, semifinished steel accounted for six percent of all shipments, followed by pipe and tubing at 4.1 million tons, or 5.7 percent, and tin mill products with 3.8 million tons, or 5.2 percent of the total. Wire and wire products constituted 1.5 percent of 1985 total shipments, while rails and rail accessories were 1.2 percent of the total.

EMPLOYMENT

During 1985 U.S. steel industry employment fell to the lowest annual average recorded by the American Iron and Steel Institute since it began collecting such data during the Great Depression.

For the year as a whole, an average of 208,000 persons, including 151,000 hourly workers, were engaged in the production and marketing of steel. This was a drop of nearly 12 percent from the 236,000 persons, including 171,000 hourly workers, employed the previous year. Industry employment has fallen more than 56 percent since 1975.

During 1985, domestic steelmakers paid out a total of $6.9 billion in wages and salaries, compared to $7.5 billion in 1984.

Total employment costs per hour for hourly employees averaged $22.81 in 1985, compared to $21.30 in 1984.

IMPORTS

U.S. imports of steel mill products reached 24.3 million tons, or 25.2 percent of domestic consumption, in 1985, the second highest annual totals ever recorded on both counts. Although down slightly from 1984's record-breaking 26.2 million tons and 25.6 percent market penetration, last year's import results were still several percentage points higher than the 20.2 percent overall import market penetration limit expected under President Reagan's Comprehensive Fair Trade Program for the domestic steel industry. That program provides for negotiated restraint arrangements with nations exporting steel to the U.S. The arrangements specify limits on specific product categories.

The largest single supplier of imported steel last year was the European Community, which shipped the U.S. just under seven million tons of mill products. That compares to 6.3 million tons of imports from the EC in 1984. Imports from Japan were just under six million tons, compared to 6.6 million tons the previous year. Canada accounted for 2.9 million tons, compared to 3.2 million tons in 1984.

Two rapidly developing nations, Brazil and South Korea, have become major sources of imported steel. In 1985, Brazil shipped the U.S. 1.7 million tons of steel, while imports from South Korea reached 1.9 million tons.

The 2,663,000 tons of steel imported into the U.S. in January, 1985, set a single-month steel import record, and accounted for 30.9 percent of the nation's steel supply that month.

ROBERT B. PEABODY
President

NOTES

D—Disclosure
P—Preliminary
R—Revised
n.a.—Not available
Net ton—2,000 pounds
Gross ton—2,240 pounds
( ) Indicates loss or negative number.
Rounded figures do not necessarily add to totals.

Raw steel is defined as steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for foundry castings and strand or pressure cast blooms, billets, slabs, or other product forms.

Raw steel production capability is defined as the tonnage capability to produce raw steel for a sustained full order book.

SELECTED STATISTICAL HIGHLIGHTS

Table 1A

Shipments, Apparent Supply, Imports & Employment

(Thousands)

	Steel Mill Products—Net Tons				Imports as % of U.S. Apparent Steel Supply					Steel Employment (a)
Year	Total Net Shipments	Less Exports	Plus Imports	U.S. Apparent Steel Supply	Total	Japan	EEC	Canada	Other	Average No. of Employees
1985	73,043	932	24,256	96,367	25.2	6.2	7.2	3.0	8.8	208
1984	73,739	980	26,163	98,922	26.4	6.7	6.4	3.2	10.1	236
1983	67,584	1,199	17,070	83,455	20.5	5.1	4.9	2.9	7.6	243
1982	61,567	1,842	16,663	76,388	21.8	6.8	7.3	2.4	5.3	289
1981	88,450	2,904	19,898	105,444	18.9	5.9	6.1	2.7	4.2	391
1980	83,853	4,101	15,495	95,247	16.3	6.3	4.1	2.5	3.4	399
1979	100,262	2,818	17,518	114,962	15.2	5.5	4.7	2.0	3.0	453
1978	97,935	2,422	21,135	116,648	18.1	5.6	6.4	2.0	4.1	449
1977	91,147	2,003	19,307	108,451	17.8	7.2	6.3	1.7	2.6	452
1976	89,447	2,654	14,285	101,078	14.1	7.9	3.2	1.3	1.7	454
Details on Page:	30	40	50		53	53	53	53	53	21

(a) Covering only those employees engaged in the production and sale of iron and steel products and excludes mining and quarrying operations, transportation, warehousing, fabrication and other non-steel producing activities.

Table 1B

Raw Steel Data

(Thousands of net tons)

		United States				Percent of U.S. Production				
						By Type of Furnace			By Type Cast	
Year	World Production	Production	% of World	Capability	% of capability	OH	BOP	Elec.	Ingots	Continuous
1985	791,913	88,259	11.1	133,600	66.1	7.3	58.8	33.9	55.5	44.4
1984	782,230[R]	92,528	11.8	135,300	68.4	9.0	57.1	33.9	60.3	39.6
1983	730,930	84,615	11.6	150,600	56.2	7.0	61.5	31.5	67.8	32.1
1982	710,738	74,577	10.5	154,000	48.4	8.2	60.7	31.1	70.9	29.0
1981	779,399	120,828	15.5	154,300	78.3	11.1	60.6	28.3	78.2	21.6
1980	790,419	111,835	14.2	153,700	72.8	11.7	60.4	27.9	79.5	20.3
1979	824,486	136,341	16.5	155,300	87.8	14.0	61.1	24.9	82.9	16.9
1978	790,607	137,031	17.3	157,900	86.8	15.6	60.9	23.5	84.6	15.2
1977	741,828	125,333	16.9	160,000	78.4	16.0	61.8	22.2	87.3	12.5
1976	745,592	128,000	17.2	158,300	80.9	18.3	62.5	19.2	89.3	10.6
Details on Page:	102	70	102		73	70	70	70	71	71

SELECTED HIGHLIGHTS
THE IRON AND STEEL INDUSTRY AT A GLANCE

The Selected Statistical Highlights present a seven or ten-year trend from which comparisons of year-to-year changes may be made for those items of the industry that are indicative of the operating level and the financial status of reporting companies. In the use of the highlights, it should be recognized that there may be a difference in the universe of reporting companies for the major items in the statistical section. This is especially significant for the financial series as compared to other series; for example, the universe for financial data for 1984 and 1985 represents companies who in 1985 produced 81.1% of the reported raw steel production.

SELECTED FINANCIAL HIGHLIGHTS

Table 1C

Income Data

(Millions of Dollars)

	Total Corporation Results				Steel Segment Results			
		Net Income				Net Income		
Year	Net Sales	Amount	% of Net Sales	% of Equity†	Net Sales	Amount	% of Net Sales	% of Equity†
1985	$53,650	$(1,209)	(2.3)	(7.9)	$29,473	$(1,743)	(5.9)	(18.5)
1984	53,472	(235)	(0.4)	(1.6)	30,005	(31)	(0.1)	(0.4)
1983	45,974	(2,603)	(5.7)	(13.4)	24,463	(2,231)	(9.1)	(19.8)
1982	55,255	(3,155)	(5.7)	(13.8)	28,239	(3,384)	(12.0)	(22.0)
1981	64,013	3,258	5.1	16.2	43,109	1,653	3.8	11.4
1980	55,313	1,634	3.0	8.6	37,163	681	1.8	4.8
1979	55,790	1,410	2.5	7.8	40,373	806	2.0	5.8
Details on Page:	12	12	12	12	13	13	13	13

†Based on stockholders' equity as of Dec. 31 of the prior year.

Table 1D

Cash Flow Data

(Millions of Dollars)

	Total Corporation Results				Steel Segment Results			
		Net Cash Provided (Used) from				Net Cash Provided (Used) from		
Year	Capital Expend.	Operations	Financing	Inc. (Dec.) In Cash & Mkt. Secs.	Capital Expend.	Operations	Financing	Inc. (Dec.) In Cash & Mkt. Secs.
1985	$3,151	$ 221	$ (166)	$ 55	$1,688	$ (163)	$ 28	$(135)
1984	2,351	(196)	136	(60)	1,203	741	373	(44)
1983	3,137	(1,542)	1,179	(363)	1,850	(1,858)	1,556	(302)
1982	4,325	(8,739)	6,300	(2,439)	2,258	(1,990)	(1,766)	(224)
1981	3,506	1,174	435	1,608	2,371	689	(692)	(3)
1980	3,665	(472)	578	106	2,651	(748)	602	(146)
1979	3,823	(1,278)	995	(283)	2,469	(436)	221	(216)
Details on Page:	16	16	16	16	17	17	17	17

FINANCIAL STATISTICS

Financial data for 1984 and 1985 includes companies which made up 81.1% of the reported total raw steel production of the entire industry in 1985. Other years are based on results of companies representing varying percentages of the entire industry.

Table 2

Income Statement
Total Corporation

(Millions of Dollars)

	1985	1984[R]	1983	1982	1981	1980	1979
REVENUES:							
Sales (Net billing value of products shipped and other services)	$53,650.5	53,472.2	$45,973.8	$55,255.3	$64,012.6	$55,312.9	$55,789.8
Interest, dividends and other income	651.0	670.3	634.5	1,042.8	1,298.1	931.8	683.4
Total Revenue	**54,301.5**	**54,142.5**	**46,608.3**	**56,298.1**	**65,310.7**	**56,244.7**	**56,473.2**
COSTS:							
Employment Costs	14,559.2	14,436.6	13,552.2	17,771.8	20,643.9	19,093.4	18,913.3
Materials, supplies, freight and other services, etc.	33,568.0	32,821.9	28,766.9	35,919.0	37,671.1	32,184.6	32,185.9
Depreciation, depletion and amortization	2,634.8	2,559.1	2,342.7	2,562.4	2,178.6	2,023.5	1,924.3
Interest and other financial costs	1,827.8	2,059.1	1,675.6	1,794.3	938.1	934.0	809.4
Taxes other than income	1,634.8	1,700.2	1,600.8	NA	NA	NA	NA
Loss or (gain) on sales of assets	(199.7)	(433.8)	(35.3)	1,947.8	(1,070.1)	(133.7)	797.6
Loss or (gain) on provision for costs attributable to shutdown of facilities	878.8	249.2	1,696.3	—	—	—	—
Unusual items	308.8	438.2	39.3	(44.1)	(28.5)	—	(21.4)
Taxes on income	410.1	659.4	(215.7)	(498.2)	1,719.7	508.8	454.5
Total Costs	**55,622.6**	**54,489.9**	**49,422.8**	**59,453.0**	**62,052.8**	**54,610.6**	**55,063.6**
Extraordinary and other items net of taxes	111.3	112.3	211.4	NA	NA	NA	NA
Net Income	**$ (1,209.8)**	**$ (235.1)**	**$ (2,603.1)**	**$ (3,154.9)**	**$ 3,257.9**	**$ 1,634.1**	**$ 1,409.6**
Percent return on Sales	(2.3)	(0.4)	(5.7)	(5.7)	5.1	3.0	2.5
Percent return on Stockholders' Equity *	(7.9)	(1.6)	(13.4)	(13.8)	16.2	8.6	7.8

* Based on stockholders' equity as of Dec. 31 of the prior year.
Totals do not necessarily add due to rounding.
MEMO: In 1985 reporting companies represent: 71.4 million net tons of raw steel production and 56.1 million net tons of shipments of finished steel products.

Table 2A

Income Statement
Steel Segment

(Millions of Dollars)

	1985	1984[R]	1983	1982	1981	1980	1979
REVENUES:							
Sales (Net billing value of products shipped and other services)	$29,473.2	$30,005.2	$24,462.8	$28,238.6	$43,109.3	$37,162.7	$40,373.1
Interest, dividends and other income	189.8	328.1	514.8	492.0	653.8	583.7	418.4
Total Revenue	**29,663.0**	**30,333.3**	**24,977.6**	**28,730.6**	**43,763.1**	**37,746.4**	**40,791.5**
COSTS:							
Employment Costs	9,478.5	9,334.5	8,650.8	12,199.4	15,165.2	13,826.2	14,117.9
Materials, supplies, freight and other services, etc.	18,595.6	18,779.7	15,664.6	17,181.9	24,201.9	21,181.0	23,085.2
Depreciation, depletion and amortization	1,421.0	1,374.7	1,290.5	1,471.6	1,617.5	1,528.1	1,482.9
Interest and other financial costs	675.3	774.3	616.5	600.0	487.4	499.3	489.1
Taxes other than income	369.7	359.9	371.2	NA	NA	NA	NA
Loss or (gain) on sales of assets	(19.0)	(309.9)	(20.0)	2,021.4	(132.0)	34.7	759.9
Loss or (gain) on provision for costs attributable to shutdown of facilities	820.2	112.8	1,508.1	—	—	—	—
Unusual items	192.9	77.8	24.5	(24.8)	(28.5)	—	—
Taxes on income	(80.1)	21.0	(720.4)	(1,335.1)	798.2	(3.9)	50.8
Total Costs	**31,454.1**	**30,524.8**	**27,385.8**	**32,114.4**	**42,109.7**	**37,065.4**	**39,985.8**
Extraordinary and other items net of taxes	47.9	161.0	177.1	NA	NA	NA	NA
Net Income	**(1,743.2)**	**$ (30.5)**	**$ (2,231.1)**	**$ (3,383.8)**	**$ 1,653.4**	**$ 681.0**	**$ 805.7**
Percent return on Sales	(5.9)	(0.1)	(9.1)	(12.0)	3.8	1.8	2.0
Percent return on Stockholders' Equity *	(18.5)	(0.4)	(19.8)	(22.0)	11.4	4.8	5.8

* Based on stockholders' equity as of Dec. 31 of the prior year.
Totals do not necessarily add due to rounding.
MEMO: In 1985 reporting companies represent: 71.4 million net tons of raw steel production and 56.1 million net tons of shipments of finished steel products.

Table 3

Balance Sheet
Total Corporation

(Millions of Dollars)

ASSETS	1985	1984[R]	1983	1982	1981	1980	1979
Current Assets:							
Cash and marketable securities	$ 1,293.4	$ 1,238.9	$ 1,343.9	$ 1,759.3	$ 4,178.0	$ 2,560.7	$ 2,450.9
Receivables, less allowances	6,387.6	6,456.5	6,406.1	5,767.1	8,878.2	8,002.1	6,958.9
Inventories	6,965.9	7,540.4	7,117.8	8,489.6	8,608.2	7,560.7	7,664.0
Other Current Assets	265.1	536.8	316.9	365.5	282.4	332.8	218.2
Total Current Assets	**14,912.0**	**15,772.6**	**15,184.7**	**16,381.5**	**21,946.8**	**18,456.3**	**17,292.0**
Long-term receivables & other investments	3,403.6	3,639.3	2,664.5	NA	NA	NA	NA
Fixed Assets:							
Property, plant & equipment	54,059.9	52,517.5	50,525.8	56,044.6	48,683.4	46,654.3	43,759.4
Less—Depreciation, depletion & amortization	25,272.9	23,668.4	22,660.0	24,924.7	24,396.8	23,284.4	21,721.3
Net Fixed Assets	28,787.0	28,849.1	27,865.8	31,119.9	24,286.6	23,369.9	22,038.1
Other Assets	1,556.2	1,713.9	2,311.7	6,012.0	5,146.8	5,281.3	4,766.4
Total Assets	**$48,658.8**	**$49,974.9**	**$48,026.7**	**$53,513.4**	**$51,380.2**	**$47,107.5**	**$44,096.5**
LIABILITIES AND STOCKHOLDERS' EQUITY							
Current Liabilities:							
Accounts Payable	$ 5,556.5	$ 5,470.2	$ 4,969.0	$ NA	$ NA	$ NA	$ NA
Accrued taxes incl. Federal income taxes	1,387.0	1,438.8	1,355.4	NA	NA	NA	NA
Long-term debt maturing within one year	1,096.6	1,248.3	614.5	501.3	492.5	344.0	383.4
All other current liabilities	4,398.4	4,221.3	4,353.3	10,812.1	11,728.4	10,719.9	9,692.9
Total Current Liabilities	**12,438.5**	**12,378.6**	**11,292.2**	**11,313.4**	**12,220.9**	**11,063.9**	**10,076.3**
Long-term debt less amount maturing within one year	13,775.5	13,983.0	14,443.1	15,832.0	9,934.8	10,355.5	9,659.1
Deferred income tax	1,318.7	1,208.0	896.3	1,994.3	2,941.7	2,004.6	1,877.0
Liabilities attributable to shutdown of facilities	2,379.6	2,366.2	2,296.1	NA	NA	NA	NA
All other other long-term liabilities & reserves	3,970.0	4,139.7	3,495.3	4,657.5	2,912.0	3,049.1	2,906.8
Minority interest in companies not wholly owned	42.2	48.5	57.8	267.6	469.8	482.3	466.2
Total Liabilities	**33,924.5**	**34,124.0**	**32,480.8**	**34,064.8**	**28,479.2**	**26,955.4**	**24,985.4**
Redeemable preferred stock (RPS)	571.2	573.7	501.1	20.8	—	—	—
Stockholders' Equity	**14,163.1**	**15,277.2**	**15,044.8**	**19,427.8**	**22,901.0**	**20,152.1**	**19,111.1**
Total Liabilities RPS and Stockholders' Equity	**$48,658.8**	**$49,974.9**	**$48,026.7**	**$53,513.4**	**$51,380.2**	**$47,107.5**	**$44,096.5**
Memo: LIFO inventory reserves included above	$ 3,688.7	$ 4,304.7	$ 3,235.7	$ 6,474.0	$ 7,333.9	$ 6,911.5	$ 6,333.7

Table 3A

Balance Sheet
Steel Segment

(Millions of Dollars)

ASSETS	1985	1984[R]	1983	1982	1981	1980	1979
Current Assets:							
Cash and marketable securities	$ 267.1	$ 402.1	$ 606.9	$ 952.5	$ 1,157.7	$ 1,151.9	$ 1,293.6
Receivables, less allowances	3,247.6	3,213.0	3,408.3	2,727.5	4,385.5	4,710.1	3,939.3
Inventories	3,681.7	4,216.5	3,320.7	4,034.4	5,379.4	4,693.6	5,039.6
Other Current Assets	113.0	198.8	204.7	226.5	193.7	263.3	161.0
Total Current Assets	**7,309.4**	**8,030.4**	**7,540.6**	**7,940.9**	**11,116.3**	**10,818.9**	**10,433.5**
Long-term receivables & other investments	869.9	1,047.5	1,700.0	NA	NA	NA	NA
Fixed Assets:							
Property, plant & equipment	35,469.5	35,198.4	34,283.2	38,518.5	38,971.2	37,716.9	36,000.5
Less—Depreciation, depletion & amortization	19,123.2	18,589.0	18,401.8	20,681.5	20,768.4	19,976.2	19,163.4
Net Fixed Assets	16,346.3	16,609.4	15,881.4	17,837.0	18,202.8	17,740.7	16,837.1
Other Assets	383.1	499.6	349.3	2,101.3	2,376.7	2,210.6	2,001.7
Total Assets	**$24,908.7**	**$26,186.9**	**$25,471.3**	**$27,879.2**	**$31,695.8**	**$30,770.2**	**$29,272.3**
LIABILITIES AND STOCKHOLDERS' EQUITY							
Current Liabilities:							
Accounts Payable	$ 2,301.2	$ 2,261.4	$ 2,287.6	$ NA	$ NA	$ NA	$ NA
Accrued taxes incl. Federal income taxes	481.6	485.1	385.5	NA	NA	NA	NA
Long-term debt maturing within one year	408.9	571.4	255.9	197.8	266.5	128.1	163.5
All other current liabilities	2,639.7	2,392.0	2,726.8	5,136.4	6,418.7	6,442.7	6,049.1
Total Current Liabilities	**5,831.4**	**5,709.9**	**5,655.8**	**5,334.2**	**6,685.2**	**6,570.8**	**6,212.6**
Long-term debt less amount maturing within one year	7,155.3	6,380.0	7,208.2	7,817.9	6,163.7	6,822.5	5,988.4
Deferred income tax	195.4	277.1	264.2	750.2	1,696.4	1,128.6	978.2
Liabilities attributable to shutdown of facilities	2,062.8	2,019.7	2,085.7	NA	NA	NA	NA
All other other long-term liabilities & reserves	2,584.5	2,138.2	1,809.8	2,697.3	1,759.0	1,759.5	1,749.2
Minority interest in companies not wholly owned	17.4	22.8	18.2	19.5	30.9	31.1	35.0
Total Liabilities	**17,846.8**	**16,547.7**	**17,041.9**	**16,619.1**	**16,335.2**	**16,312.5**	**14,963.4**
Redeemable preferred stock (RPS)	226.5	228.2	228.3	—	—	—	—
Stockholders' Equity	**6,835.4**	**9,411.0**	**8,201.1**	**11,260.1**	**15,360.6**	**14,457.7**	**14,308.9**
Total Liabilities RPS and Stockholders' Equity	**$24,908.7**	**$26,186.9**	**$25,471.3**	**$27,879.2**	**$31,695.8**	**$30,770.2**	**$29,272.3**
Memo: LIFO inventory reserves included above	$ 3,054.7	$ 3,497.6	$ 2,750.6	$ 5,101.7	$ 6,067.1	$ 5,800.8	$ 5,115.0

Table 4

Cash Flow Statement
Total Corporation

(Millions of Dollars)

	1985	1984[R]	1983	1982	1981	1980	1979
Cash Provided From Operations							
Net Income	$ (1,240.4)	$ (237.3)	$.(2,652.9)	$ (3,176.3)	$ 3,242.1	$ 1,610.1	$ 1,360.2
Depreciation	2,635.5	2,557.9	2,344.7	2,572.0	2,197.2	2,042.5	1,944.1
Deferred Income Taxes	117.3	182.3	(581.7)	(882.1)	832.9	220.3	34.3
Other noncash P&L items	1,183.7	816.1	1,686.1	2,234.7	38.2	4.9	682.7
Total from earnings	2,696.1	3,319.0	796.2	748.3	6,310.4	3,877.8	4,021.3
Changes in working capital	1,005.4	(717.5)	148.0	1,383.2	(696.6)	50.2	(736.5)
Cash provided from operations	3,701.5	2,601.5	944.2	2,131.5	5,613.8	3,928.0	3,284.8
Cash provided (used) for non operating units	(399.4)	(145.5)	(313.3)	79.3	(172.1)	(96.6)	(54.2)
Cash (used) for Dividends	(451.1)	(483.3)	(470.9)	(660.2)	(727.0)	(678.9)	(656.5)
Long Term Investments							
Additions to plant and equipment	(3,151.4)	(2,350.8)	(3,137.4)	(4,324.9)	(3,506.3)	(3,665.0)	(3,822.7)
Disposals of plant and equipment	642.5	680.6	516.2	1,058.8	322.9	300.2	196.0
Other provided (used)	(121.3)	(498.7)	918.9	(7,023.0)	(357.5)	(259.7)	(225.5)
Cash (used) from operations	(2,630.2)	(2,168.9)	(1,702.3)	(10,289.1)	(3,540.9)	(3,624.5)	(3,852.2)
Net cash provided (used) from operations	220.8	(196.2)	(1,542.3)	(8,738.5)	1,173.8	(472.0)	(1,278.1)
Cash Provided From (Used For) Financing							
Net Additions/Reduction In:							
Transfers (to) from corporate	—	—	—	—	—	—	—
Long term debt	(514.9)	(916.7)	332.1	5,635.0	(46.4)	539.6	722.5
Short term debt	(196.3)	767.2	(292.3)	229.2	331.9	(137.8)	142.3
Stock	544.9	285.6	1,139.6	435.6	149.0	176.1	130.1
Net cash Provided from (used for) financing	(166.3)	136.1	1,179.4	6,299.8	434.5	577.9	994.9
Increase (decrease) in cash and marketable securities	$ 54.5	$ (60.1)	$ (362.9)	$ (2,438.7)	$ 1,608.3	$ 105.9	$ (283.2)

Table 4A

Cash Flow Statement
Steel Segment

(Millions of Dollars)

	1985	1984[R]	1983	1982	1981	1980	1979
Cash Provided From Operations							
Net Income	(1,743.2)	$ (92.7)	$ (2,235.0)	$ (3,384.4)	$ 1,653.8	$ 681.4	$ 806.6
Depreciation	1,421.2	1,373.0	1,292.1	1,481.2	1,636.1	1,547.2	1,502.7
Deferred Income Taxes	(41.7)	42.8	(722.9)	(854.4)	762.9	255.8	(144.6)
Other noncash P&L items	920.2	156.2	1,366.2	2,036.6	(39.8)	8.2	677.5
Total from earnings	556.5	1,479.3	(299.6)	(721.0)	4,013.0	2,492.6	2,842.2
Changes in working capital	804.3	(829.0)	(94.1)	1,677.3	(463.6)	50.0	(297.2)
Cash provided from operations	1,360.8	650.3	(393.7)	956.3	3,549.4	2,542.6	2,545.0
Cash provided (used) for non operating units	(113.4)	(145.6)	(160.6)	63.3	(161.2)	(83.6)	(45.1)
Cash (used) for Dividends	(201.7)	(201.5)	(203.3)	(413.8)	(774.9)	(714.6)	(521.3)
Long Term Investments							
Additions to plant and equipment	(1,687.5)	(1,203.1)	(1,850.2)	(2,258.2)	(2,370.6)	(2,650.6)	(2,469.4)
Disposals of plant and equipment	307.3	210.7	48.5	602.8	166.2	227.1	51.7
Other provided (used)	171.1	260.9	701.0	(940.6)	279.6	(69.1)	2.7
Cash (used) from operations	(1,209.1)	(731.5)	(1,100.7)	(2,596.0)	(1,924.8)	(2,492.6)	(2,415.0)
Net cash provided (used) from operations	(163.4)	(428.3)	(1,858.3)	(1,990.2)	688.5	(748.2)	(436.4)
Cash Provided From (Used For) Financing							
Net Additions/Reduction In:							
Transfers (to) from corporate	(293.7)	(435.4)	46.5	(242.6)	(186.4)	(87.5)	(94.5)
Long term debt	344.2	62.4	524.1	1,814.7	(638.4)	805.8	244.1
Short term debt	(32.4)	524.7	51.3	106.7	121.3	(179.5)	51.8
Stock	10.3	144.4	934.1	87.2	11.5	63.3	19.1
Net cash Provided from (used for) financing	28.4	296.1	1,556.0	1,766.0	(692.0)	602.1	220.5
Increase (decrease) in cash and marketable securities	(135.0)	$ (132.2)	$ (302.3)	$ (224.2)	$ (3.5)	$ (146.1)	$ (215.9)
MEMO:							
Capital expenditures for environmental facilities	$136.2	$137.7	$142.9	$264.5	$495.8	$518.0	$650.8

Table 5

Consumer and Producer Price Indexes (1967 = 100)

Year		Consumer Price Index	Industrial Commodities	Steel Mill Products				
				Total	Finished	Semi-Finished	Scrap Iron & Steel	AISI Total Employment Cost-Wage Emp.
1976		170.5	182.4	209.8	209.0	223.1	259.0	246.8
1977		181.5	195.1	229.9	229.0	243.6	231.2	274.0
1978		195.3†	209.3	254.4	253.4	270.6	264.6	300.6
1979		217.7	236.1	280.4	279.5	294.3	341.9	334.6
1980		247.0	274.2	302.7	301.2	325.3	328.1	387.8
1981		272.3	303.6	337.6	336.2	359.3	327.4	423.7
1982		288.6	312.3	349.7††	348.4††	370.2	232.9	499.8
1983		297.4	315.9	352.5	351.3	370.6	250.1	466.9
1984		307.6	322.6	366.1	365.5	371.9	288.1	447.6
1985		318.5	324.0	366.2	365.7	371.2	262.4	479.4
1985	Jan.	312.6	323.2	367.3	366.8	372.7	272.4	467.1
	Feb.	313.9	322.5	367.3	366.7	372.3	279.2	482.6
	Mar.	315.3	322.6	367.1	366.6	372.3	286.2	467.9
	April	316.7	323.8	367.0	366.4	372.8	280.7	468.2
	May	317.8	325.3	367.0	366.4	372.8	260.8	474.3
	June	318.7	325.2	366.1	365.5	372.8	245.6	475.3
	July	319.1	324.3	365.9	365.4	369.8	248.4	477.1
	Aug.	319.6	323.6	365.4	365.9	369.8	261.4	468.2
	Sept.	320.5	322.5	365.2	364.7	369.8	262.3	476.3
	Oct.	321.3	324.4	365.7	365.2	369.8	258.5	468.6
	Nov.	322.6	325.0	365.3	364.8	369.8	246.7	480.3
	Dec.	323.4	325.2	365.2	364.7	369.8	246.6	483.9

†Urban wage earners and clerical workers starting 1978.
††Effective July 1982, this index excludes all fabricated wire products including nails and staples, barbed wire, fencing, etc.
Source: United States Department of Labor, Bureau of Labor Statistics, and American Iron and Steel Institute

EMPLOYMENT AND WAGE DATA

The data on number of employees, hours worked, employment cost, payroll cost per hour and employment cost per hour as shown on tables 6 and 7 cover those employees engaged in the operation of coke ovens, blast furnaces, steel-making furnaces and finishing mills, etc. and the sale of products thereof as reported by companies comprising about 87% of 1985 total raw steel production.

Indexes on output per manhour in the iron and steel industry are those compiled by the United States Department of Labor, Bureau of Labor Statistics.

Table 6

Total Employment Cost per Hour Worked—Wage Employees

(Covering those employees engaged in the production of iron and steel products)

Year	Pay for Hours Worked						Memo	Other Payroll Costs						Year
	Straight Time					Subtotal								
	Regular (1)	Shift Differential (2)	Sunday Premium (3)	Overtime Premium (4)	Premium For Work On Holidays (5)	Pay For Hours Worked (6)	Average Hourly Earnings In Steel (BLS) (7)	Pay for Holidays Not Worked (8)	Vacation Pay (9)	All Other (10)	Total Payroll Cost Per Hour (11)	Employee Benefits Cost Per Hour (12)	Total Employment Cost Per Hour (13)	
1985	$13.023	$.157	$.244	$.574	$.274	$14.272	$13.98	$.339	$1.269	$.117	$15.997	$6.815	$22.812	1985
1984	12.570	.158	.234	.514	.255	13.731	13.53	.312	1.135	.165	15.343	5.955	21.298	1984
1983	12.548	.156	.255	.409	.259	13.627	13.40	.366	.968	.133	15.094	7.119	22.213	1983
1982	13.012	.157	.375	.276	.235	14.055	13.96	.499	2.165	.089	16.808	6.973	23.781	1982
1981	12.092	.171	.434	.432	.298	13.427	13.11	.350	1.601	.071	15.449	4.709	20.158	1981
1980	10.971	.135	.377	.336	.295	12.114	11.84	.333	1.574	.156	14.177	4.274	18.451	1980
1979	9.822	.121	.368	.427	.281	11.019	10.77	.247	1.230	.055	12.551	3.370	15.921	1979
1978	8.890	.120	.333	.391	.242	9.976	9.70	.194	1.051	.049	11.270	3.033	14.303	1978
1977	8.029	.117	.280	.294	.193	8.913	8.67	.200	1.015	.123	10.251	2.785	13.036	1977
1976	7.247	.115	.249	.239	.148	7.998	7.86	.177	.912	.045	9.132	2.612	11.744	1976

Table 7

Number of Employees, Hours Worked and Employment Cost

(Covering those employees engaged in the production and sale of iron and steel products)

	Employees Receiving Wages					Employees Receiving Salaries			All Employees Receiving Wages and Salaries					
Year	Average Number of Employees	Total Hours Worked (000)	Avg. Hrs. Worked Per Week Per Employee	Employment Cost (millions)	Total Employment Cost Per Hour	Average Number of Employees	Total Hours Worked (000)	Employment Cost (Millions)	Average Number of Employees	Total Hours Worked (000)	Avg. Hrs. Worked Per Week Per Employee	Employment Cost (Millions)	Total Employment Cost Per Hour	Year
1985	150,906	300,456	38.2	$6,854.1	$22.812	57,262	118,292	$2,887.0	208,168	418,747	38.6	$9,741.1	$23.262	1985
1984	170,694	339,228	38.0	7,224.9	21.298	65,308	134,838	3,119.5	236,002	474,067	38.4	10,344.4	21.821	1984
1983	168,852	324,997	36.9	7,219.1	22.213	73,893	149,814	3,459.4	242,745	474,811	37.5	10,678.5	22.490	1983
1982	198,477	345,093	33.3	8,206.6	23.781	90,960	180,535	4,197.9	289,437	525,628	34.8	12,404.5	23.599	1982
1981	286,219	543,324	36.4	10,952.4	20.158	104,695	209,373	4,626.7	390,914	752,697	36.9	15,579.1	20.698	1981
1980	291,483	544,220	35.7	10,041.6	18.451	107,346	213,575	4,196.1	398,829	757,795	36.3	14,237.7	18.788	1980
1979	341,931	669,045	37.5	10,651.8	15.921	111,250	225,033	3,996.0	453,181	894,078	37.8	14,647.8	16.383	1979
1978	339,155	669,720	37.9	9,578.8	14.303	110,042	222,462	3,600.1	449,197	892,182	38.1	13,178.9	14.771	1978
1977	337,396	645,853	36.7	8,419.1	13.036	114,992	230,051	3,388.0	452,388	875,904	37.1	11,807.1	13.480	1977
1976	339,021	645,748	36.4	7,583.7	11.744	115,107	231,038	3,145.5	454,128	876,786	36.9	10,729.2	12.237	1976

Memo: Net shipments (thousand net tons) for companies reporting employment data are as follows: 1985—60,482; 1984—62,158; 1983—57,139; 1982—51,825; 1981—78,190.

Table 8

BLS Index of Output Per Man-hour in the Steel Industry

(All Employees)

Year	1977 = 100
1976	99.0
1977	100.0
1978	108.3
1979	106.9
1980	102.9
1981	112.0
1982	90.9
1983[R]	116.8
1984[R]	132.0
1985[P]	138.6
Average Annual Increase* 1976–1985	3.2

**Based on least squares method.*

Source: United States Department of Labor, Bureau of Labor Statistics.

NOTE: Although the output per man-hour data relate output to one input—labor time—they do not measure the specific contribution of labor, of capital, or of any other factor to production. In short, they do not reflect solely changes in the productiveness of labor. Rather, they reflect the joint effect of a number of interrelated influences such as changes in technology, capital investment per worker, utilization of capacity, layout and flow of material, skill of the work force, managerial skill, and labor-management relations.

Table 9

Occupational Injury/Illness

(Covering only those employees who were engaged in the production of iron and steel products as reported by companies comprising 84% of total 1985 raw steel production)

	1985	1984	1983	1982	1981
1. Aggregate number of man-hours (millions)	402	462	468	515	747
2. OSHA recordable injuries/illnesses:					
a. Fatalities	16	21	25	30	46
b. Lost workday cases	4,448	5,090	4,587	4,441	8,488
c. Other medical treatment cases	10,037	11,180	11,232	13,363	20,610
d. **Total** (2a through 2c)	**14,501**	**16,291**	**15,844**	**17,834**	**29,144**
3. Frequency rate (number of injuries/illnesses per 200,000 man-hours worked)	7.211	7.054	6.773	6.929	7.805
4. OSHA workdays lost (thousands)	135	145	126	141	238
5. Severity rate (days lost per 200,000 man-hours worked)	67	63	54	55	64

NOTE: Recordable injuries are reported as specified by the Bureau of Labor Statistics, U.S. Department of Labor pursuant to Section 24(a) of the Occupational Safety and Health Act of 1970.

SHIPMENTS—STEEL PRODUCTS

Data in this section are expressed in terms of Gross Shipments and Net Shipments. Gross shipments represent the aggregate tonnage shipped by reporting companies including steel consumed by the companies in their own construction, maintenance, repair and operations, as well as in their own manufacture of fabricated products. Net shipments eliminate tonnage duplication by deducting from the gross total those shipments from one reporting company to another reporting company for conversion, further processing or resale.

Table 10

Shipments of Steel Mill Products—1985
All Grades—(Carbon, Alloy and Stainless)

(Net tons)

Steel Products	Total Gross Shipments	Less Shipments to Reporting Companies	Total Net Shipments	Percent of Total Net Shipments
Ingots and steel castings	259,039	2,857	256,182	0.4
Blooms, slabs, billets	1,253,844	135,502	1,118,342	1.5
Skelp	22,375	13,385	8,990	—
Wire rods	3,140,703	178,934	2,961,769	4.0
Total Semi-Finished	**4,675,961**	**330,678**	**4,345,283**	**5.9**
Structural shapes (3" & over)	4,372,786	—	4,372,786	6.0
Steel piling	325,519	—	325,519	0.5
Plates	4,355,640	28,293	4,327,347	5.9
Total Shapes and Plates	**9,053,945**	**28,293**	**9,025,652**	**12.4**
Rails—Standard (over 60 lbs.)	678,592	—	678,592	0.9
—All other	24,698	—	24,698	—
Joint bars	6,309	—	6,309	—
Tie plates	86,621	—	86,621	0.1
Track spikes	34,461	—	34,461	0.1
Wheels (rolled and forged)	67,607	—	67,607	0.1
Axles	33,025	—	33,025	0.1
Total Rails and Accessories	**931,313**	**—**	**931,313**	**1.3**
Bars—Hot rolled	6,254,109	556,070	5,698,039	7.8
—Bar-Size light shapes	1,329,061	234	1,328,827	1.8
—Reinforcing	4,327,726	2,103	4,325,623	5.9
—Cold finished	1,255,137	357	1,254,780	1.7
Tool steel	61,043	773	60,270	0.1
Total Bars and Tool Steel	**13,227,076**	**559,537**	**12,667,539**	**17.3**

Table 10 *(Continued)*

Shipments of Steel Mill Products—1985
All Grades—(Carbon, Alloy and Stainless)

(Net tons)

Steel Products	Total Gross Shipments	Less Shipments to Reporting Companies	Total Net Shipments	Percent of Total Net Shipments
Pipe and tubing—Standard	867,027	12,464	854,563	1.1
—Oil country goods	1,320,887	21,730	1,299,157	1.8
—Line	775,748	395	775,353	1.1
—Mechanical	839,429	27,814	811,615	1.1
—Pressure	87,363	140	87,223	0.1
—Structural	219,153	293	218,860	0.3
—Stainless	49,948	894	49,054	0.1
Total Pipe and Tubing	**4,159,555**	**63,730**	**4,095,825**	**5.6**
Wire—Drawn	875,749	1,614	874,135	1.2
—Nails and staples	170,278	—	170,278	0.2
—Barbed and twisted	38,413	2	38,411	0.1
—Woven wire fence	19,731	—	19,731	—
—Bale ties and baling wire	33,848	—	33,848	0.1
Total Wire and Wire Products	**1,138,019**	**1,616**	**1,136,403**	**1.6**
Black plate	214,703	27	214,676	0.3
Tin plate	2,610,998	—	2,610,998	3.6
Tin free steel	888,909	—	888,909	1.2
Tin mill products—All other	57,678	—	57,678	0.1
Total Tin Mill Products	**3,772,288**	**27**	**3,772,261**	**5.2**
Sheets—Hot rolled	14,400,083	1,448,255	12,951,828	17.7
—Cold rolled	13,635,454	61,665	13,573,789	18.6
Sheets & strip—Galvanized—Hot dipped	6,855,841	5,771	6,850,070	9.4
—Electrolytic	696,925	13	696,912	0.9
—All other metallic coated	1,121,766	—	1,121,766	1.5
—Electrical	431,473	18,339	413,134	0.6
Strip—Hot rolled	674,388	88,815	585,573	0.8
—Cold rolled	883,878	7,903	875,975	1.2
Total Sheets and Strip	**38,699,808**	**1,630,761**	**37,069,047**	**50.7**
Total Shipments	**75,657,965**	**2,614,642**	**73,043,323**	**100.0**

Table 11

Shipments of Steel Mill Products—1985
By Grades—(Carbon, Alloy and Stainless)

(Net tons)

Steel Products	Carbon	%	Alloy	%	Stainless	%	Total	%
Ingots and steel castings	50,956	0.1	198,426	2.7	6,800	0.5	256,182	0.4
Blooms, slabs, billets	809,266	1.3	269,118	3.6	39,958	3.2	1,118,342	1.5
Skelp	8,990	—	—	—	—	—	8,990	—
Wire rods	2,900,726	4.5	31,171	0.4	29,872	2.4	2,961,769	4.0
Total Semi-Finished	**3,769,938**	**5.9**	**498,715**	**6.7**	**76,630**	**6.1**	**4,345,283**	**5.9**
Structural shapes (3" & over)	3,850,308	6.0	521,878	7.0	—	—	4,372,786	6.0
Steel piling	301,517	0.4	24,002	0.3	—	—	325,519	0.5
Plates	3,019,895	4.7	1,165,988	15.7	141,464	11.3	4,327,347	5.9
Total Shapes and Plates	**7,172,320**	**11.1**	**1,711,868**	**23.0**	**141,464**	**11.3**	**9,025,652**	**12.4**
Rails:								
Standard (over 60 lbs.)	637,056	1.0	41,536	0.6	—	—	678,592	0.9
All other	24,698	—	—	—	—	—	24,698	—
Joint bars	6,309	—	—	—	—	—	6,309	—
Tie plates	86,621	0.1	—	—	—	—	86,621	0.1
Track spikes	34,461	0.1	—	—	—	—	34,461	0.1
Wheels (rolled and forged)	66,647	0.1	960	—	—	—	67,607	0.1
Axles	33,025	0.1	—	—	—	—	33,025	0.1
Total Rails and Accessories	**888,817**	**1.4**	**42,496**	**0.6**	**—**	**—**	**931,313**	**1.3**
Bars:								
Hot rolled	4,106,644	6.4	1,550,369	20.9	41,026	3.3	5,698,039	7.8
Bar-size light shapes	1,328,827	2.1	(Included in hot rolled bars)				1,328,827	1.8
Reinforcing	4,300,310	6.7	25,313	0.3	—	—	4,325,623	5.9
Cold finished	994,850	1.5	171,689	2.3	88,241	7.1	1,254,780	1.7
Tool steel	—	—	60,270	0.8	—	—	60,270	0.1
Total Bars and Tool Steel	**10,730,631**	**16.7**	**1,807,641**	**24.3**	**129,267**	**10.4**	**12,667,539**	**17.3**
Pipe and tubing:								
Standard	852,902	1.3	1,661	—	—	—	854,563	1.1
Oil country goods	1,024,028	1.6	275,129	3.7	—	—	1,299,157	1.8
Line	570,840	0.9	204,513	2.8	—	—	775,353	1.1
Mechanical	529,554	0.8	282,061	3.8	—	—	811,615	1.1
Pressure	65,441	0.1	21,782	0.3	—	—	87,223	0.1
Structural	218,515	0.3	345	—	—	—	218,860	0.3
Stainless	—	—	—	—	49,054	3.9	49,054	0.1
Total Pipe and Tubing	**3,261,280**	**5.0**	**785,491**	**10.6**	**49,054**	**3.9**	**4,095,825**	**5.6**

Table 11 *(continued)*

Shipments of Steel Mill Products—1985
By Grades—(Carbon, Alloy and Stainless)

(Net tons)

Steel Products	Carbon	%	Alloy	%	Stainless	%	Total	%
Wire:								
Drawn	838,924	1.3	12,917	0.2	22,294	1.8	874,135	1.2
Nails and staples	170,278	0.3	—	—	—	—	170,278	0.2
Barbed and twisted	38,411	0.1	—	—	—	—	38,411	0.1
Woven wire fence	19,731	—	—	—	—	—	19,731	—
Bale ties and baling wire	33,848	—	—	—	—	—	33,848	0.1
Total Wire and Wire Products	**1,101,192**	**1.7**	**12,917**	**0.2**	**22,294**	**1.8**	**1,136,403**	**1.6**
Black plate	214,676	0.3	—	—	—	—	214,676	0.3
Tin plate	2,610,998	4.1	—	—	—	—	2,610,998	3.6
Tin free Steel	888,909	1.4	—	—	—	—	888,909	1.2
Tin mill products—All other	57,678	0.1	—	—	—	—	57,678	0.1
Total Tin Mill Products	**3,772,261**	**5.9**	**—**	**—**	**—**	**—**	**3,772,261**	**5.2**
Sheets:								
Hot rolled	11,513,019	17.9	1,405,594	18.9	33,215	2.7	12,951,828	17.7
Cold rolled	12,734,396	19.8	250,175	3.3	589,218	47.1	13,573,789	18.6
Sheets and strip:								
Galvanized:								
Hot dipped	6,488,512	10.1	361,558	4.9	—	—	6,850,070	9.4
Electrolytic	696,912	1.1	—	—	—	—	696,912	0.9
All other metallic coated	1,091,968	1.7	29,798	0.4	—	—	1,121,766	1.5
Electrical	24,105	—	389,029	5.2	—	—	413,134	0.6
Strip:								
Hot rolled	508,450	0.8	71,879	1.0	5,244	0.4	585,573	0.8
Cold rolled	606,763	0.9	64,758	0.9	204,454	16.3	875,975	1.2
Total Sheets and Strip	**33,664,125**	**52.3**	**2,572,791**	**34.6**	**832,131**	**66.5**	**37,069,047**	**50.7**
Total Net Shipments	**64,360,564**	**100.0**	**7,431,919**	**100.0**	**1,250,840**	**100.0**	**73,043,323**	**100.0**
Shipments to reporting companies	2,312,541	—	184,490	—	117,611	—	2,614,642	—
Total Gross Shipments	**66,673,105**	**—**	**7,616,409**	**—**	**1,368,451**	**—**	**75,657,965**	**—**

Table 12

Net Shipments of Steel Mill Products—All Grades

(Thousands of net tons)

Steel Products	1985		1984		1983		1982		1981	
	Tons	%	Tons	%	Tons	%	Tons	%	Tons	%
Ingots and steel castings	256	0.4	275	0.4	238	0.4	246	0.4	461	0.5
Blooms, slabs and billets	1,118	1.5	1,031	1.4	760	1.1	1,035	1.7	2,185	2.5
Skelp	9	...	11	...	5	...	2	...	18	...
Wire rods	2,962	4.0	3,090	4.2	2,857	4.2	2,411	3.9	3,040	3.4
Structural shapes (3" & over)	4,373	6.0	3,868	5.2	3,364	5.0	3,313	5.4	4,929	5.6
Steel piling	326	0.5	288	0.4	258	0.4	250	0.4	282	0.3
Plates	4,327	5.9	4,339	5.9	3,816	5.6	4,146	6.7	7,441	8.4
Rails—Standard (over 60 lbs.)	679	0.9	933	1.3	611	0.9	498	0.8	907	1.0
—All other	25	...	32	...	23	...	19	...	48	0.1
Joint bars	6	...	7	...	6	...	8	...	10	...
Tie plates	87	0.1	124	0.2	116	0.2	98	0.2	213	0.3
Track spikes	34	0.1	51	0.1	55	0.1	51	0.1	81	0.1
Wheels (rolled and forged)	68	0.1	59	0.1	52	0.1	72	0.1	110	0.1
Axles	33	0.1	33	...	21	...	36	0.1	100	0.1
Bars—Hot rolled	5,698	7.8	6,070	8.2	5,129	7.6	4,757	7.7	6,890	7.8
—Bar-Size light shapes	1,329	1.8	1,184	1.6	1,070	1.6	948	1.5	1,473	1.7
—Reinforcing	4,326	5.9	4,432	6.0	4,275	6.3	4,049	6.6	4,612	5.2
—Cold finished	1,255	1.7	1,484	2.0	1,179	1.7	1,015	1.7	1,631	1.8
Tool steel	60	0.1	61	0.1	46	0.1	44	0.1	67	0.1
Pipe and tubing—Standard	855	1.1	743	1.0	812	1.2	962	1.5	1,858	2.1
—Oil country goods	1,299	1.8	1,406	1.9	678	1.0	1,759	2.9	4,241	4.8
—Line	775	1.1	775	1.0	623	0.9	1,093	1.8	2,047	2.3
—Mechanical	812	1.1	940	1.3	748	1.1	762	1.2	1,348	1.5
—Pressure	87	0.1	89	0.1	88	0.1	108	0.2	154	0.2
—Structural	219	0.3	270	0.4	238	0.4	301	0.5	598	0.7
—Stainless	49	0.1	52	0.1	57	0.1	41	0.1	39	...
Wire—Drawn	874	1.2	963	1.3	1,010	1.5	1,003	1.6	1,440	1.6
—Nails and staples	170	0.2	147	0.2	163	0.2	123	0.2	150	0.2
—Barbed and twisted	38	0.1	52	0.1	98	0.1	65	0.1	81	0.1
—Woven wire fence	20	...	26	...	49	0.1	74	0.1	95	0.1
—Bale ties and baling wire	34	0.1	35	0.1	39	0.1	43	0.1	49	0.1

Table 12 *(continued)*

Net Shipments of Steel Mill Products—All Grades

(Thousands of net tons)

	1985		1984		1983		1982		1981	
Steel Products	**Tons**	**%**	**Tons**	**%**	**Tons**	**%**	**Tons**	**%**	**Tons**	**%**
Black plate	215	0.3	286	0.4	352	0.5	319	0.5	421	0.5
Tin plate	2,611	3.6	2,765	3.7	2,925	4.4	3,018	4.9	3,490	3.9
Tin free Steel	889	1.2	945	1.3	962	1.4	918	1.5	948	1.1
Tin mill products—All other	58	0.1	66	0.1	69	0.1	66	0.1	68	0.1
Sheets—Hot rolled	12,952	17.7	13,133	17.8	11,619	17.2	9,052	14.7	13,451	15.2
—Cold rolled	13,574	18.6	13,664	18.5	13,781	20.4	11,132	18.1	14,396	16.3
Sheets and strip—Galvanized—Hot dipped	6,850	9.4	6,100	8.3	5,793	8.6	4,878	7.9	5,375	6.1
—Electrolytic	697	0.9	659	0.9	641	0.9	491	0.8	548	0.6
—All other metallic coated	1,122	1.5	1,109	1.5	946	1.4	694	1.1	836	0.9
—Electrical	413	0.6	490	0.7	458	0.7	445	0.7	599	0.7
Strip—Hot rolled	586	0.8	650	0.9	633	0.9	498	0.8	660	0.7
—Cold rolled	876	1.2	1,002	1.3	920	1.4	724	1.2	1,060	1.2
Total Steel Mill Products	**73,043**	**100.0**	**73,739**	**100.0**	**67,583**	**100.0**	**61,567**	**100.0**	**88,450**	**100.0**
Carbon	64,360	88.1	65,009	88.2	60,292	89.2	53,947	87.6	76,554	86.6
Stainless and heat resisting	1,251	1.7	1,248	1.7	1,137	1.7	894	1.5	1,163	1.3
Alloy (other than stainless)	7,432	10.2	7,482	10.1	6,154	9.1	6,726	10.9	10,732	12.1
Total Steel Mill Product Shipment By Months*										
January	6,017		5,980		4,583		5,608		7,616	
February	5,598		6,150		4,588		5,434		7,375	
March	6,344		7,240		5,969		6,163		8,422	
April	6,425		6,472		5,399		5,488		8,108	
May	6,519		6,948		5,612		5,149		7,932	
June	6,125		6,686		5,986		5,372		8,148	
July	5,710		5,820		5,045		4,514		7,115	
August	6,064		6,033		5,789		4,724		7,020	
September	5,848		5,454		5,893		4,760		7,039	
October	6,308		6,087		6,078		4,309		6,723	
November	5,654		5,317		6,014		4,088		5,783	
December	5,821		4,867		6,269		4,234		5,666	
Total*	**73,043**		**73,739**		**67,583**		**61,567**		**88,450**	

*Totals include adjustments not shown in monthly figures.

Table 12 *(continued)*

Net Shipments of Steel Mill Products—All Grades

(Thousands of net tons)

Steel Products	1980		1979		1978		1977		1976	
	Tons	%	Tons	%	Tons	%	Tons	%	Tons	%
Ingots and steel castings	445	0.6	504	0.5	516	0.5	423	0.5	488	0.6
Blooms, slabs and billets	2,185	2.6	2,095	2.1	1,969	2.0	1,736	1.9	1,967	2.2
Skelp	24	...	35	...	31	0.1	31	...	28	...
Wire rods	2,688	3.2	2,861	2.9	2,554	2.6	1,804	2.0	1,901	2.1
Structural shapes (3" & over)	4,861	5.8	5,303	5.3	4,667	4.7	4,035	4.4	3,857	4.3
Steel piling	342	0.4	293	0.3	360	0.4	347	0.4	330	0.4
Plates	8,080	9.6	9,035	9.0	8,601	8.8	7,529	8.3	7,160	8.0
Rails—Standard (over 60 lbs.)	1,085	1.3	1,122	1.1	946	1.0	1,109	1.2	1,303	1.5
—All other	53	0.1	48	0.1	38	...	37	0.1	37	...
Joint bars	17	...	19	...	14	...	17	...	19	...
Tie plates	205	0.2	337	0.3	255	0.2	264	0.3	250	0.3
Track spikes	85	0.1	101	0.1	97	0.1	103	0.1	105	0.1
Wheels (rolled and forged)	159	0.2	180	0.2	165	0.2	189	0.2	175	0.2
Axles	193	0.2	218	0.2	188	0.2	144	0.2	128	0.2
Bars—Hot rolled	5,961	7.1	8,493	8.5	8,758	9.0	8,369	9.2	7,822	8.8
—Bar-Size light shapes	950	1.1	1,466	1.5	1,277	1.3	993	1.1	842	0.9
—Reinforcing	4,684	5.6	5,303	5.3	4,704	4.8	4,179	4.6	3,876	4.3
—Cold finished	1,585	1.9	2,245	2.2	2,084	2.1	1,794	1.9	1,618	1.8
Tool steel	79	0.1	95	0.1	92	0.1	85	0.1	76	0.1
Pipe and tubing—Standard	1,773	2.1	1,952	1.9	2,054	2.1	1,853	2.0	1,782	2.0
—Oil country goods	3,612	4.3	2,458	2.5	2,647	2.7	2,405	2.6	1,678	1.9
—Line	1,793	2.1	1,569	1.6	1,571	1.6	1,330	1.5	1,019	1.1
—Mechanical	1,159	1.4	1,507	1.5	1,480	1.5	1,362	1.5	1,260	1.4
—Pressure	149	0.2	170	0.2	184	0.2	218	0.2	197	0.2
—Structural	569	0.7	541	0.5	423	0.4	290	0.3	298	0.3
—Stainless	41	0.1	46	...	40	0.1	32	0.1	31	0.1
Wire—Drawn	1,392	1.7	1,918	1.9	1,968	2.0	1,894	2.1	1,921	2.1
—Nails and staples	173	0.2	257	0.2	289	0.3	278	0.3	281	0.3
—Barbed and twisted	70	0.1	67	0.1	58	0.1	55	...	71	0.1
—Woven wire fence	92	0.1	122	0.1	109	0.1	113	0.1	134	0.1
—Bale ties and baling wire	41		85	0.1	87	0.1	60	0.1	54	0.1

Table 12 *(continued)*

Net Shipments of Steel Mill Products—All Grades

(Thousands of net tons)

Steel Products	1980		1979		1978		1977		1976	
	Tons	%	Tons	%	Tons	%	Tons	%	Tons	%
Black plate	504	0.6	629	0.6	623	0.6	636	0.7	614	0.7
Tin plate	4,166	5.0	4,604	4.6	4,489	4.6	4,700	5.1	4,784	5.3
Tin free Steel	978	1.1	1,003	1.0	918	0.9	974	1.1	967	1.1
Tin mill products—All other	61	0.1	75	0.1	70	0.1	72	0.1	71	0.1
Sheets—Hot rolled	12,116	14.5	15,995	16.0	15,447	15.8	14,558	16.0	15,090	16.9
—Cold rolled	13,313	15.9	17,284	17.2	17,821	18.2	17,684	19.4	18,265	20.4
Sheets and strip—Galvanized—Hot dipped	4,787	5.7	5,810	5.8	5,889	6.0	5,293	5.8	4,914	5.5
—Electrolytic	457	0.5	531	0.5	541	0.6	364	0.4	265	0.3
—All other metallic coated	722	0.9	975	1.0	997	1.0	923	1.0	844	0.9
—Electrical	601	0.7	697	0.7	639	0.6	597	0.6	577	0.7
Strip—Hot rolled	669	0.8	984	1.0	1,027	1.0	1,082	1.2	1,196	1.3
—Cold rolled	930	1.1	1,230	1.2	1,248	1.3	1,186	1.3	1,152	1.3
Total Steel Mill Products	**83,853**	**100.0**	**100,262**	**100.0**	**97,935**	**100.0**	**91,147**	**100.0**	**89,447**	**100.0**
Carbon	73,358	87.5	87,879	87.6	86,187	88.0	81,268	89.2	80,320	89.8
Stainless and heat resisting	1,127	1.3	1,361	1.4	1,191	1.2	1,118	1.2	1,019	1.1
Alloy (other than stainless)	9,368	11.2	11,022	11.0	10,557	10.8	8,761	9.6	8,108	9.1
Total Steel Mill Product Shipment By Months*										
January	7,952		8,206		7,323		6,459		7,246	
February	7,690		7,996		7,539		6,690		6,840	
March	8,711		10,293		8,718		8,750		8,259	
April	7,296		7,438		8,055		7,981		7,780	
May	6,440		10,187		8,610		8,369		8,215	
June	5,848		8,977		8,787		8,811		8,537	
July	5,353		8,319		7,608		6,986		7,480	
August	5,745		8,475		8,293		7,737		7,519	
September	6,682		7,929		8,252		7,662		7,646	
October	7,458		8,355		8,599		7,400		6,996	
November	7,038		7,361		7,813		7,188		6,717	
December	7,591		6,743		8,196		7,020		6,334	
Total*	**83,853**		**100,262**		**97,935**		**91,147**		**89,447**	

*Totals include adjustments not shown in monthly figures.

Table 13

Net Shipments of Steel Mill Products by Market Classifications
All Grades

(Thousands of net tons)

Market Classifications	1985		1984		1983		1982		1981	
	Tons	%	Tons	%	Tons	%	Tons	%	Tons	%
Steel for converting and processing	5,484	7.5	5,136	7.0	4,403	6.5	3,222	5.2	5,058	5.7
Independent forgers (not elsewhere classified)	708	1.0	775	1.1	573	0.8	579	0.9	1,035	1.2
Industrial fasteners	386	0.5	455	0.6	440	0.7	404	0.7	648	0.7
Steel service centers & distributors	18,439	25.2	18,364	24.9	16,710	24.7	13,067	21.2	17,637	19.9
Construction, including maintenance	7,900	10.8	7,522	10.2	7,271	10.8	6,283	10.2	8,446	9.5
Contractors' products	3,330	4.6	2,631	3.6	2,703	4.0	2,287	3.7	3,230	3.7
Total	**11,230**	**15.4**	**10,153**	**13.8**	**9,974**	**14.8**	**8,570**	**13.9**	**11,676**	**13.2**
Automotive										
Vehicles, parts, etc.	12,689	17.3	12,571	17.1	12,052	17.8	9,111	14.8	12,808	14.5
Independent forgers	261	0.4	311	0.4	268	0.4	177	0.3	346	0.4
Total	**12,950**	**17.7**	**12,882**	**17.5**	**12,320**	**18.2**	**9,288**	**15.1**	**13,154**	**14.9**
Rail transportation										
Freight cars, pass. cars & locomotives	280	0.4	347	0.4	217	0.3	382	0.6	976	1.1
Rails and all other	781	1.0	1,091	1.5	720	1.1	638	1.1	1,186	1.3
Total	**1,061**	**1.4**	**1,438**	**1.9**	**937**	**1.4**	**1,020**	**1.7**	**2,162**	**2.5**
Shipbuilding and marine equipment	337	0.5	471	0.6	471	0.7	399	0.6	1,101	1.2
Aircraft and aerospace	39		37	0.1	21		30		37	
Oil and gas industry	2,044	2.8	2,003	2.7	1,296	1.9	2,745	4.5	6,238	7.1
Mining, quarrying and lumbering	298	0.4	298	0.4	262	0.4	254	0.4	493	0.6
Agricultural										
Agricultural machinery	442	0.7	480	0.6	417	0.6	425	0.7	820	0.9
All other	187	0.2	193	0.3	282	0.4	519	0.8	409	0.5
Total	**629**	**0.9**	**673**	**0.9**	**699**	**1.0**	**944**	**1.5**	**1,229**	**1.4**
Machinery, industrial equipment & tools	2,271	3.1	2,886	3.9	2,484	3.7	2,584	4.2	4,624	5.2
Electrical equipment	1,869	2.6	2,365	3.2	2,337	3.5	2,003	3.3	2,600	2.9
Appliances, utensils and cutlery	1,466	2.0	1,635	2.2	1,618	2.4	1,337	2.2	1,775	2.0
Other domestic and commercial equipment	1,215	1.7	1,339	1.8	1,363	2.0	1,247	2.0	1,622	1.8
Containers, packaging and shipping materials										
Cans and closures	3,044	4.2	3,268	4.4	3,443	5.1	3,480	5.7	3,786	4.3
Barrels, drums and shipping pails	465	0.6	507	0.7	535	0.8	536	0.9	744	0.8
All other	580	0.8	577	0.8	554	0.8	454	0.7	762	0.9
Total	**4,089**	**5.6**	**4,352**	**5.9**	**4,532**	**6.7**	**4,470**	**7.3**	**5,292**	**6.0**
Ordnance and other military	267	0.4	242	0.3	244	0.4	203	0.3	166	0.2
Export (reporting companies only)	494	0.7	428	0.6	544	0.8	832	1.4	1,845	2.1
Nonclassified shipments	7,767	10.6	7,807	10.6	6,355	9.4	8,369	13.6	10,058	11.4
Total Shipments	**73,043**	**100.0**	**73,739**	**100.0**	**67,583**	**100.0**	**61,567**	**100.0**	**88,450**	**100.0**

Table 13 *(continued)*

Net Shipments of Steel Mill Products by Market Classifications
All Grades

(Thousands of net tons)

Market Classifications	1980		1979		1978		1977		1976	
	Tons	%	Tons	%	Tons	%	Tons	%	Tons	%
Steel for converting and processing	4,117	4.9	5,058	5.0	4,612	4.7	3,679	4.0	4,036	4.5
Independent forgers (not elsewhere classified)	933	1.1	1,254	1.3	1,192	1.2	998	1.1	952	1.1
Industrial fasteners	590	0.7	934	0.9	870	0.9	848	0.9	912	1.0
Steel service centers & distributors	16,172	19.3	18,246	18.2	17,333	17.7	15,346	16.8	14,615	16.3
Construction, including maintenance	8,742	10.4	9,978	10.0	9,612	9.8	7,553	8.3	7,508	8.4
Contractors' products	3,148	3.8	3,745	3.7	3,480	3.6	4,500	4.9	4,502	5.0
Subtotal construction and contractors' products	**11,890**	**14.2**	**13,723**	**13.7**	**13,092**	**13.4**	**12,053**	**13.2**	**12,010**	**13.4**
Automotive:										
Vehicles, parts, etc.	11,855	14.2	18,099	18.0	20,651	21.1	20,882	22.9	20,667	23.1
Independent forgers	269	0.3	522	0.5	602	0.6	608	0.7	684	0.8
Total	**12,124**	**14.5**	**18,621**	**18.5**	**21,253**	**21.7**	**21,490**	**23.6**	**21,351**	**23.9**
Rail transportation:										
Freight cars, pass. cars & locomotives	1,884	2.3	2,445	2.4	2,188	2.2	1,709	1.9	1,469	1.6
Rails and all other	1,271	1.5	1,666	1.7	1,361	1.4	1,529	1.7	1,587	1.8
Total	**3,155**	**3.8**	**4,111**	**4.1**	**3,549**	**3.6**	**3,238**	**3.6**	**3,056**	**3.4**
Shipbuilding and marine equipment	1,201	1.4	924	0.9	845	0.9	869	1.0	969	1.1
Aircraft and aerospace	53	0.1	60	0.1	60	0.1	63	0.1	59	0.1
Oil and gas industry	5,371	6.4	3,739	3.7	4,140	4.3	3,650	4.0	2,653	3.0
Mining, quarrying and lumbering	454	0.5	569	0.6	508	0.5	486	0.5	536	0.6
Agricultural:										
Agricultural machinery	852	1.0	1,306	1.3	1,080	1.1	1,017	1.1	1,209	1.4
All other	388	0.5	665	0.7	725	0.7	631	0.7	575	0.6
Total	**1,240**	**1.5**	**1,971**	**2.0**	**1,805**	**1.8**	**1,648**	**1.8**	**1,784**	**2.0**
Machinery, industrial equipment & tools	4,543	5.4	5,996	6.0	5,992	6.1	5,566	6.1	5,180	5.8
Electrical equipment	2,441	2.9	2,819	2.8	2,811	2.9	2,639	2.9	2,671	3.0
Appliances, utensils and cutlery	1,725	2.1	2,140	2.1	2,094	2.1	2,129	2.3	1,950	2.2
Other domestic and commercial equipment	1,701	2.0	2,073	2.1	1,889	1.9	1,846	2.0	1,813	2.0
Containers, packaging and shipping materials:										
Cans and closures	4,163	5.0	4,994	4.9	4,950	4.9	5,173	5.7	5,301	5.9
Barrels, drums and shipping pails	725	0.9	939	1.0	809	0.9	768	0.8	859	1.0
All other	663	0.7	839	0.9	936	0.9	773	0.9	754	0.8
Total	**5,551**	**6.6**	**6,772**	**6.8**	**6,595**	**6.7**	**6,714**	**7.4**	**6,914**	**7.7**
Ordnance and other military	177	0.2	204	0.2	207	0.2	193	0.2	219	0.2
Export (reporting companies only)	2,595	3.1	2,007	2.0	1,224	1.3	1,076	1.2	1,839	2.1
Nonclassified shipments	7,820	9.3	9,041	9.0	7,864	8.0	6,616	7.3	5,928	6.6
Total Shipments	**83,853**	**100.0**	**100,262**	**100.0**	**97,935**	**100.0**	**91,147**	**100.0**	**89,447**	**100.0**

Table 14

Shipments of Steel Mill Products by Market Classification—1985
All Grades

(Net Tons)

Products	Steel for Converting and Processing			Independent Forgers (Not elsewhere classified)	Industrial Fasteners	Steel Service Centers and Distributors	Construction including Maintenance	Contractors' Products
	Total Shipments	Less Shipments to Reporting Companies	Net Shipments					
Ingots, blooms, billets, slabs	317,514	138,359	179,155	344,990	3,168	47,083	71,327	20,840
Skelp	22,286	13,385	8,901	...	...	6	...	...
Wire rods	1,208,735	178,934	1,029,801	4	146,111	18,722	615,125	208,651
Structural shapes (3" & over)	5	...	5	...	...	797,075	2,128,323	...
Steel piling	...	...	...	...	...	51,126	272,266	...
Plates	195,368	28,293	167,075	221	611	1,683,883	793,850	41,604
Rails	...	...	...	...	...	11,008	11,041	...
Rail Accessories	−50	...	−50	...	...	10,680	3,348	...
Wheels (rolled and forged)	...	...	...	...	...	17	480	...
Axles	...	...	...	...	...	...	87	...
Bars—Hot rolled (including light shapes)	996,182	556,304	439,878	361,458	128,381	1,091,982	357,974	236,008
—Reinforcing	245,200	2,103	243,097	185	2,063	246,934	1,927,423	274,158
—Cold finished	10,354	357	9,997	766	6,312	310,366	482	6,789
Tool steel	773	773	...	...	...	...	...	...
Pipe and tubing—Standard	21,765	12,464	9,301	...	...	590,496	21,979	26,219
—Oil country goods	61,303	21,730	39,573	...	...	83,892	4,778	748
—Line	1,736	395	1,341	...	...	223,740	29,200	491
—Mechanical	31,708	27,814	3,894	...	151	205,647	6,033	12,840
—Pressure	618	140	478	...	...	34,753	134	461
—Structural	1,592	293	1,299	...	...	80,130	44,610	186
—Stainless	1,521	894	627	...	395	12,446	1,616	142
Wire—Drawn	143,966	1,614	142,352	...	27,952	88,397	138,655	50,121
—Nails and staples	...	...	...	...	...	59,257	27,268	10
—Other merchant wire products	1	2	−1	...	...	28,581	28	...
Black plate	14,596	27	14,569	...	...	34,456	1,014	28,504
Tin plate	33,053	...	33,053	...	...	222,725	...	828
Tin free steel	825	...	825	...	...	32,780	−12	...
Tin mill products-All other	...	...	...	...	...	14,511	...	507
Sheets—Hot rolled	3,727,141	1,448,255	2,278,886	...	13,576	5,914,798	468,751	399,650
—Cold rolled	765,684	61,665	704,019	...	2,608	4,033,420	67,237	733,375
Sheets and strip—Galvanized	110,991	5,771	105,220	...	23,745	2,155,386	657,738	1,172,205
—All other metallic coated	7,801	13	7,788	...	...	217,709	229,878	69,418
—Electrical	18,367	18,339	28	...	...	27,773	103	608
Strip—Hot rolled	101,860	88,815	13,045	140	18,404	27,325	16,102	5,443
—Cold rolled	57,746	7,903	49,843	...	12,297	81,619	3,451	35,130
Total—All Grades	**8,098,641**	**2,614,642**	**5,483,999**	**707,764**	**385,774**	**18,438,723**	**7,900,289**	**3,329,578**
%	...	...	7.5	1.0	0.5	25.2	10.8	4.6

Table 14 *(continued)*

Shipments of Steel Mill Products by Market Classification—1985
All Grades

(Net tons)

Products	Automotive	Rail Transportation	Shipbuilding and Marine Equipment	Aircraft and Aerospace	Oil and Gas Industry	Mining, Quarrying and Lumbering	Agricultural	Machinery, Industrial Equipment and Tools
Ingots, blooms, billets, slabs	105,513	1,399	...	14,061	27,440	544	7,097	55,201
Skelp	...	...	...	...	...	...	...	...
Wire rods	138,603	5,131	5,004	60	10,000	80	108,987	259,359
Structural shapes (3" & over)	13,339	20,194	45,961	...	12,015	645	4,885	44,712
Steel piling	...	956	4	...	23	88	...	...
Plates	69,063	113,088	268,829	6,163	125,339	21,032	40,018	547,807
Rails	...	629,028	...	...	...	...	...	98
Rail Accessories	...	54,320	3	...	...	20	...	4
Wheels (rolled and forged)	...	65,301	...	...	...	470	...	1,049
Axles	...	31,788	...	...	...	63	...	...
Bars—Hot rolled (including light shapes)	1,382,891	95,621	7,553	9,913	118,516	194,569	115,905	356,526
—Reinforcing	...	5,172	– 2	...	9,015	44,861	918	7,763
—Cold finished	125,223	873	973	1,432	6,179	1,733	12,252	136,988
Tool steel	...	...	...	...	...	...	...	...
Pipe and tubing—Standard	109	184	...	...	86,632	66	606	3,151
—Oil country goods	...	...	...	...	1,050,788	...	...	...
—Line	...	...	–3	...	492,367	74	...	765
—Mechanical	127,385	761	228	1,102	35,181	796	11,560	183,995
—Pressure	26	10	225	13	1,424	...	...	18,086
—Structural	628	96	...	...	53,738	...	7,948	11,702
—Stainless	215	...	122	254	967	...	...	6,861
Wire—Drawn	28,961	284	1,819	30	10,974	9,205	6,057	40,802
—Nails and staples	...	1	...	...	...	...	...	79
—Other merchant wire products	...	9	...	...	...	...	154	...
Black plate	3,802	...	...	...	...	...	...	1,483
Tin plate	47,205	...	...	...	...	...	...	1,862
Tin free steel	852	...	...	...	...	...	– 1	...
Tin mill products-All other	36,723	...	...	...	...	...	...	564
Sheets—Hot rolled	2,593,948	32,052	5,731	103	704	21,735	112,530	195,049
—Cold rolled	4,518,772	1,511	111	647	183	1,596	22,530	173,974
Sheets and strip—Galvanized	2,777,404	2,019	109	20	129	156	132,094	29,811
—All other metallic coated	479,222	–83	...	...	...	...	4,587	10,711
—Electrical	3,714	423	...	...	...	...	4	17,392
Strip—Hot rolled	296,888	698	44	3,897	2,796	398	40,248	105,253
—Cold rolled	199,895	424	420	1,057	59	223	1,220	60,275
Total—All Grades	**12,950,381**	**1,061,260**	**337,131**	**38,752**	**2,044,469**	**298,354**	**529,599**	**2,271,322**
%	17.7	1.4	0.5	...	2.8	0.4	0.9	3.1

Table 14 *(continued)*

Shipments of Steel Mill Products by Market Classification—1985

All Grades

(Net tons)

Products	Electrical Equipment	Appliances, Utensils, and Cutlery	Other Domestic and Commercial Equipment	Containers, Packaging and Shipping Materials	Ordnance and Other Military	Export (Reporting Companies Only)	Non-classified Shipments	Total	%
'ngots, blooms, billets, slabs	153	33	– 161	20,063	106,512	38,592	331,514	1,374,524	1.9
Skelp	...	...	83	...	...	...	...	8,990	...
Wire rods	22,745	662	148,261	465	...	4,664	239,334	2,961,769	4.0
Structural shapes (3" & over)	284	40	330	...	39	28,307	1,271,990	4,372,786	6.0
Steel piling	...	...	...	...	...	1,055	1	325,519	0.5
Plates	60,105	5,311	11,573	3,403	60,720	37,801	269,851	4,327,347	5.9
Rails	...	...	...	...	...	2,610	49,505	703,290	0.9
Rail Accessories	...	...	...	...	...	1,490	57,576	127,391	0.2
Wheels (rolled and forged)	...	...	...	...	...	290	...	67,607	0.1
Axles	...	...	...	...	...	1,087	...	33,025	0.1
Bars—Hot rolled (including light shapes)	30,452	8,377	34,242	18,323	31,032	31,536	1,975,729	7,026,866	9.6
—Reinforcing	...	...	...	...	...	7,388	1,556,648	4,325,623	5.9
—Cold finished	8,632	10,465	10,031	...	8,094	6,154	591,039	1,254,780	1.7
Tool steel	...	...	...	...	...	776	59,494	60,270	0.1
Pipe and tubing—Standard	72,489	417	5,122	4	...	6,393	31,395	854,563	1.1
—Oil country goods	...	...	...	– 1	...	14,431	104,948	1,299,157	1.8
—Line	712	...	128	...	77	11,691	14,770	775,353	1.1
—Mechanical	4,302	5,546	14,941	1,457	2,196	19,590	174,010	811,615	1.1
—Pressure	57	...	6	4,572	4,018	2,733	20,227	87,223	0.1
—Structural	15,296	...	475	...	...	64	2,688	218,860	0.1
—Stainless	99	...	8	2	28	322	24,950	49,054	0.3
Wire—Drawn	4,918	12,586	62,083	11,089	2,875	2,086	232,889	874,135	1.2
—Nails and staples	...	...	...	...	...	20	83,643	170,278	0.2
—Other merchant wire products	...	...	...	...	...	...	63,219	91,990	0.2
Black plate	6,049	3,356	23,198	91,044	...	7,201	...	214,676	0.3
Tin plate	3,875	12,625	14,293	2,192,591	...	81,941	...	2,610,998	3.6
Tin free steel	5,793	208	3,984	813,776	...	30,704	...	888,909	1.2
Tin mill products—all other	96	2,018	1,285	1,607	61	306	...	57,678	0.1
Sheets—Hot rolled	218,136	76,377	137,166	204,950	2,244	36,466	238,976	12,951,828	17.7
—Cold rolled	966,703	1,057,110	615,689	583,884	19,470	34,857	36,093	13,573,789	18.6
Sheets and strip—Galvanized	79,207	194,853	87,690	21,971	56	13,698	93,471	7,546,982	10.3
—All other metallic coated	1,107	25,742	8,918	2,561	35	31,902	32,271	1,121,766	1.5
—Electrical	335,937	10,348	2,484	...	...	13,928	392	413,134	0.6
Strip—Hot rolled	8,245	3,670	7,880	8,909	1,222	5,359	19,607	585,573	0.8
—Cold rolled	23,287	36,151	25,289	108,220	28,403	18,141	190,571	875,975	1.2
Total—All Grades	**1,868,679**	**1,465,895**	**1,214,998**	**4,088,890**	**267,082**	**493,583**	**7,766,801**	**73,043,323**	**100.0**
%	2.6	2.0	1.7	5.6	0.4	0.7	10.6	100.0	...

EXPORTS AND IMPORTS

The following tables, compiled from Department of Commerce report on Foreign Commerce and Navigation of the United States, give the tonnage of iron and steel products exported and imported during the period 1981-1985. Exports and imports of iron and steel products not stated by weight in the reports are necessarily omitted.

Table 15

Exports of Iron and Steel Products

(Net tons)

Products	1985	1984	1983	1982	1981
Steel Mill Products:					
Ingots, blooms, billets, slabs, etc.	89,708	73,536	102,754	362,293	540,598
Wire rods	4,740	8,646	6,137	24,961	101,774
Structural shapes (3" & over)	41,633	29,048	47,019	56,398	131,379
Sheet piling	628	3,355	2,097	5,620	7,609
Plates	82,988	88,184	101,982	121,930	199,534
Rails—Standard	1,888	3,126	4,333	12,637	56,008
—Other	4,682	8,015	4,884	16,286	13,307
Rail joints and tie plates	4,367	4,084	9,297	7,563	9,011
Wheels and axles	2,493	3,853	1,557	2,706	7,386
Bars—Hot rolled	62,719	82,972	89,677	79,385	154,716
Bars shapes under 3"	7,139	11,231	21,796	9,576	16,174
Concrete reinforcing bars	7,409	9,889	34,524	114,739	137,318
Cold finished bars	19,735	27,177	20,487	16,502	25,389
Tool steel	2,094	2,326	3,568	2,406	3,866
Line Pipe	12,737	17,921	24,551	48,003	47,822
Standard pipe	22,614	23,229	50,068	73,100	118,636
Oil country goods	62,211	53,067	60,835	153,459	127,584
Tubing—Pressure	6,158	5,311	10,582	20,576	23,743
—Mechanical	38,599	45,177	41,485	34,273	44,263
—Structural	4,748	6,628	5,646	3,825	4,865
Stainless pipe & tubing	6,009	7,648	(incl. in applicable products)		
Other pipe and tubing	46,243	48,445	64,785	97,390	105,523
Wire—Drawn	18,758	19,441	18,739	22,863	34,805
—Barbed, Iron or Steel	834	1,366	1,601	3,399	2,549
—Nails and staples	5,445	7,161	6,919	7,091	11,948
Black plate	32,754	38,782	60,925	71,890	89,720
Tin plate	130,027	121,472	170,060	226,471	364,001
Tin free	1,123	1,766	(incl. in galv. & coated sheets & strip)		
Sheets—Hot rolled	56,696	51,581	42,543	62,188	195,292
—Cold rolled	32,758	38,734	39,990	38,352	75,768
Sheets & strip—Galv.	29,261	31,741			
—Coated	42,761	55,287	96,712	81,052	148,352
—Electrical	14,132	12,922	10,674	13,229	17,707
Strip—Hot rolled	12,482	11,563	16,430	27,491	36,602
—Cold rolled	23,401	25,729	25,920	24,613	50,544
Total Steel Mill Products	931,976	**980,414**	**1,198,577**	**1,842,267**	**2,903,793**
Carbon	648,063	704,290	842,044	1,250,960	2,190,483
Alloy	228,288	235,235	307,097	538,717	628,432
Stainless	55,625	40,888	49,436	52,590	84,878

Table 15 *(continued)*

Exports of Iron and Steel Products

(Net tons)

Products	1985	1984	1983	1982	1981
Other Steel Products:					
Plates—Fabricated	5,633	3,573	5,621	6,849	10,473
Structural shapes—Fabricated	46,770	86,853	65,801	119,300	172,392
Sashes and frames	6,815	8,986	9,198	10,136	12,803
Rails-used	109,560	58,212	34,026	52,796	56,777
Railway track material	2,843	2,550	3,214	6,606	4,461
Bolts, nuts	58,944	86,897	72,906	70,594	70,253
Architectural & ornamental work, nec.	1,765	2,207	3,642	5,574	10,188
Wire cable, rope, strand & cordage	7,149	6,478	10,329	13,733	20,511
Fabricated wire products	10,119	7,100	10,093	11,301	12,653
Wire springs	16,135	17,246	14,564	13,675	15,778
Welded wire mesh	2,415	3,079	5,102	7,890	7,143
Sheets—Fabricated	8,044	7,798	16,370	16,361	29,763
Cast steel rolls	1,471	1,438	977	3,205	5,073
Forgings	46,269	41,739	33,048	46,139	58,192
Chains and parts	8,129	7,760	6,380	11,918	11,865
Pipe & tube fittings	28,956	36,182	47,796	57,61[illegible]	70,161
Total Other Steel Products	**361,016**	**378,098**	**335,067**	**453,68[illegible]**	**568,486**
Total Steel Products	**1,292,991**	**1,358,512**	**1,537,644**	**2,295,956**	**3,472,279**
Iron Products and Ferroalloys:					
Cast iron pressure pipe	8,600	12,611	18,447	50,967	60,492
Cast iron soil pipe	22,099	21,775	40,819	37,962	6,587
Cast iron fittings not malleable	6,808	10,857	18,042	15,283	18,413
Cast iron fittings malleable	3,500	4,273	4,562	7,589	7,843
Iron castings	94,419	122,374	58,345	69,545	113,518
Pig iron	31,614	56,674	6,364	54,333	16,274
Sponge iron, iron or steel powders	10,773	14,791	14,243	13,939	18,212
Ferroalloys	98,417	124,724	66,272	42,411	61,107
Total Iron Products & Ferroalloys	**276,231**	**368,081**	**227,094**	**292,029**	**302,446**
Grand Total	**1,569,222**	**1,726,592**	**1,764,738**	**2,587,985**	**3,774,725**
Iron and steel scrap	9,948,395	9,498,276	7,519,924	6,803,764	6,415,379

Table 16

Exports of Iron and Steel Products

(Net tons)

Products	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Steel Mill Products:										
Ingots, blooms, billets, slabs, etc	89,708	73,536	102,754	362,293	540,598	912,309	357,965	231,098	248,422	261,647
Wire rods	4,740	8,646	6,137	24,961	101,774	212,347	26,903	38,863	83,934	100,033
Structural shapes and pilings	42,261	32,403	49,116	62,018	138,988	153,754	145,884	127,275	98,202	99,710
Plates	82,988	88,184	101,982	121,930	199,534	207,840	207,860	172,068	60,660	76,627
Rails and accessories	13,430	19,078	20,071	39,192	85,712	134,529	40,646	76,590	89,998	167,193
Bars and tool steel	99,096	133,595	170,052	222,608	337,463	434,068	260,244	282,309	229,991	282,587
Pipe and tubing	199,319	207,426	257,952	430,326	472,436	470,150	728,415	561,998	407,209	493,685
Wire and wire products	25,037	27,968	27,259	33,353	49,302	54,239	45,142	62,411	64,320	67,405
Tin mill products	163,904	162,020	249,556	312,017	470,810	886,482	565,953	453,463	374,500	412,989
Sheets and strip	211,491	227,557	213,698	233,269	507,176	634,965	438,923	415,613	345,865	692,130
Total Steel Mill Products	**931,976**	**980,414**	**1,198,577**	**1,842,267**	**2,903,793**	**4,100,683**	**2,817,935**	**2,421,688**	**2,003,101**	**2,654,006**
Other Steel Products	361,016	378,098	339,067	453,689	568,486	561,545	503,699	512,619	575,581	603,719
Total Steel Products	**1,292,991**	**1,358,512**	**1,537,644**	**2,295,956**	**3,472,279**	**4,662,228**	**3,321,634**	**2,934,307**	**2,578,682**	**3,257,725**
Iron Products and Ferroalloys	276,231	368,081	227,094	292,029	302,446	445,110	440,684	564,977	639,318	607,091
Grand Total	**1,569,222**	**1,726,592**	**1,764,738**	**2,587,985**	**3,774,725**	**5,107,338**	**3,762,318**	**3,499,284**	**3,218,000**	**3,864,816**

Table 17

Exports of Steel Mill Products

(Net tons)

Months	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
January	65,997	86,253	94,513	173,403	255,736	197,768	192,619	160,338	162,280	150,444
February	73,275	73,074	92,122	153,543	212,903	295,675	164,693	207,583	204,787	177,031
March	76,528	79,994	88,940	197,296	260,094	276,266	216,844	191,463	201,535	211,534
April	71,252	72,687	105,754	147,572	291,048	321,393	226,446	204,708	232,818	228,524
May	84,930	90,031	100,931	194,314	259,418	337,821	236,756	255,466	178,011	264,744
June	83,233	85,895	100,182	180,094	279,433	417,941	255,187	270,996	151,195	231,947
July	81,333	89,790	108,250	145,546	217,564	398,417	233,706	174,335	135,753	318,432
August	100,855	94,076	100,123	152,434	194,438	448,915	249,507	208,456	142,849	280,176
September	63,385	76,358	99 000	158,258	228,080	400,518	244,488	174,305	170,806	193,296
October	77,090	88,558	109,868	133,356	233,084	366,179	281,453	217,741	125,386	183,082
November	73,202	61,026	114,210	105,988	244,423	315,875	226,700	194,487	148,396	186,043
December	80,894	82,645	84,459	97,370	227,490	323,827	289,312	248,453	149,161	228,276
Total*	**931,976**	**980,414**	**1,198,577**	**1,842,267**	**2,903,793**	**4,100,683**	**2,817,935**	**2,421,688**	**2,003,101**	**2,654,006**

*Totals include adjustments not shown in monthly figures.

Table 18

Exports of Iron and Steel Products by Countries of Destination—1985

(Net tons)

Products	Grand Total	Canada	LATIN AMERICA				
			Mexico	Vene-zuela	Brazil	Argen-tina	Total Latin Am.
Steel Mill Products							
Ingots, bloom, billets, slabs, etc.	**89,708**	10,962	18,601	15	—	1	**26,777**
Wire rods	**4,740**	1,841	907	99	8	95	**1,556**
Structural shapes (3" and over)	**41,633**	26,304	3,897	3	—	388	**5,331**
Sheet piling	**628**	80	—	—	—	—	**431**
Plates	**82,988**	33,075	19,329	215	275	33	**22,820**
Rails—Standard	**1,888**	450	547	65	16	—	**1,170**
—Iron or steel (NEC)	**4,682**	464	3,663	17	4	—	**3,999**
Rail joints and tie plates	**4,367**	2,354	1,172	5	20	—	**1,549**
Wheels and axles	**2,493**	620	435	102	42	7	**869**
Bars—Hot rolled	**62,719**	36,918	13,573	64	18	41	**17,343**
Bar shapes under 3"	**7,139**	1,793	1,142	26	1	—	**2,598**
Concrete reinforcing bars	**7,409**	787	604	8	—	—	**4,435**
Cold finished bars	**19,735**	10,403	2,413	8	232	2	**3,838**
Tool steel	**2,094**	958	177	2	11	—	**419**
Standard pipe	**22,614**	7,782	3,402	13	53	14	**8,361**
Oil country goods	**62,211**	11,484	3,292	1,275	465	187	**17,359**
Line pipe	**12,737**	4,620	1,109	33	—	—	**6,654**
Mechanical tubing	**38,599**	28,268	6,729	37	28	1	**7,218**
Pressure tubing	**6,158**	3,512	542	882	7	114	**1,740**
Stainless pipe and tubing	**6,009**	1,227	1,091	139	9	4	**1,987**
Pipe and tubing nonclassified	**46,243**	8,335	17,196	423	22	61	**20,827**
Structural pipe and tubing	**4,748**	272	223	60	—	1	**504**
Wire drawn	**18,758**	8,656	4,491	59	249	15	**6,321**
Wire—Nails and staples	**5,445**	2,280	319	30	5	1	**1,239**
—Barbed, iron or steel	**834**	44	19	—	—	—	**289**
Black plate	**32,754**	964	194	1	—	153	**2,749**
Tin plate	**130,027**	1,565	5,613	253	6	979	**14,019**
Tin free steel	**1,123**	3	349	—	—	—	**371**
Sheets—Hot rolled	**56,596**	23,811	15,290	400	39	10	**19,305**
—Cold rolled	**32,758**	19,289	4,241	320	9	105	**5,609**
Sheets & strip galvanized	**29,261**	14,845	4,503	27	33	166	**6,149**
Coated sheets	**42,761**	29,166	2,421	52	6	109	**4,927**
Electrical sheets & strip	**14,132**	2,307	8,044	1,857	107	42	**10,138**
Strip—Hot rolled	**12,482**	4,713	4,407	141	92	—	**4,906**
—Cold rolled	**23,401**	14,968	1,737	405	816	17	**3,701**
Total Steel Mill Products	**931,976**	**314,483**	**151,672**	**7,075**	**2,572**	**2,547**	**237,506**
Carbon	**586,713**	222,391	81,550	2,509	845	1,701	**128,641**
Alloy	**213,493**	76,162	51,979	3,898	654	712	**86,052**
Stainle	**54,256**	15,931	18,142	668	1,072	135	**22,813**

Country detail may not add to regional total because of ommissions of some countries.

Table 18 *(continued)*

Exports of Iron and Steel Products by Countries of Destination—1985

(Net tons)

Products	EUROPE									
	EUROPEAN ECONOMIC COMMUNITY									
	United Kingdom	Nether-lands	Belgium-Luxembourg	France	Fed. Rep. Germany	Italy	Total E.E.C.*	Sweden	Spain	Total Other Europe
Steel Mill Products										
Ingots, bloom, billets, slabs, etc	258	14	184	252	40	27,185	**28,163**	10	1	**17,233**
Wire rods	215	9	179	23	46	47	**530**	37	—	**73**
Structural shapes (3" and over)	6,068	568	1	5	8	32	**6,689**	9	9	**138**
Sheet piling	—	—	—	—	—	—	**—**	—	—	**—**
Plates	5,257	143	36	17	7,066	213	**12,750**	42	29	**417**
Rails—Standard	—	—	—	—	—	229	**229**	—	—	**—**
—Iron or steel (NEC)	8	5	—	—	—	—	**14**	—	5	**5**
Rail joints and tie plates	9	—	—	—	1	—	**10**	—	3	**113**
Wheels and axles	2	—	1	276	—	18	**297**	9	—	**71**
Bars—Hot rolled	771	16	7	61	108	750	**1,720**	2,595	3	**2,891**
Bar shapes under 3"	12	1	3	—	6	—	**25**	—	85	**157**
Concrete reinforcing bars	10	—	—	1	—	—	**11**	—	1	**808**
Cold finished bars	241	130	10	115	151	83	**757**	53	924	**1,833**
Tool steel	70	6	6	16	84	4	**208**	4	—	**86**
Standard pipe	256	21	63	30	13	—	**382**	16	700	**724**
Oil country goods	1,441	778	6	82	128	7	**2,449**	—	92	**3,506**
Line pipe	23	3	—	—	109	3	**139**	—	2	**13**
Mechanical tubing	299	176	—	23	50	28	**586**	19	17	**110**
Pressure tubing	20	30	20	—	6	9	**116**	—	2	**32**
Stainless pipe & tubing	71	9	6	34	27	51	**199**	58	1	**94**
Pipe and tubing nonclassified	463	173	453	75	183	126	**1,848**	33	25	**211**
Structural pipe and tubing	26	—	—	—	5	—	**32**	—	—	**—**
Wire drawn	265	66	142	88	673	42	**1,380**	26	182	**792**
Wire—Nails and staples	164	113	136	235	153	16	**842**	117	5	**169**
—Barbed, iron or steel	120	9	—	10	41	57	**238**	—	2	**9**
Black plate	—	—	—	5	11	1,737	**1,753**	—	—	**—**
Tin plate	39	590	2	7	31	13,473	**14,268**	41	—	**1,521**
Tin free steel	489	—	—	—	56	—	**545**	—	—	**—**
Sheets—Hot rolled	94	57	115	34	318	6,836	**7,466**	14	4	**242**
—Cold rolled	139	12	7	48	527	138	**871**	9	40	**113**
Sheets & strip galvanized	—	6	—	4	23	1	**36**	—	12	**39**
Coated sheets	107	54	126	102	458	1,292	**2,254**	37	4	**426**
Electrical sheets & strip	98	1	2	11	133	3	**252**	—	—	**346**
Strip—Hot rolled	350	5	76	1	1,045	24	**1,504**	27	—	**93**
—Cold rolled	341	35	8	111	513	80	**1,102**	61	15	**276**
Total Steel Mill Products	**17,723**	**3,031**	**1,580**	**1,666**	**12,015**	**52,483**	**89,673**	**3,219**	**2,164**	**32,322**
Carbon	7,807	1,517	577	1,072	9,857	51,827	**73,126**	2,880	1,053	**17,017**
Alloy	9,046	1,418	795	436	896	396	**13,627**	176	130	**13,688**
Stainless	870	96	218	158	1,261	260	**2,920**	162	981	**1,617**

*Includes totals for Ireland, Denmark & Greece

Table 18 *(continued)*

Exports of Iron and Steel Products by Countries of Destination—1985

(Net tons)

Products	ASIA					OCEANIA		AFRICA		
	India	Korea Republic	China Taiwan	Japan	Total Asia	Australia	Total Oceania	Republic of Egypt	South Africa	Total Africa
Steel Mill Products										
Ingots, bloom, billets, slabs, etc	551	180	4,015	149	**6,510**	59	**63**	—	1	**1**
Wire rods	3	64	73	21	**403**	7	**26**	49	—	**311**
Structural shapes (3" and over)	—	1,596	4	419	**2,742**	53	**70**	**138**	—	**358**
Sheet piling	—	—	—	36	**117**	—	**—**	—	—	**—**
Plates	120	178	129	370	**13,437**	76	**203**	4	17	**285**
Rails—Standard	—	—	—	22	**25**	14	**14**	—	—	**—**
—Iron or steel (NEC)	74	—	42	8	**193**	4	**5**	—	2	**2**
Rail joints and tie plates	—	1	7	1	**26**	4	**46**	—	1	**270**
Wheels and axles	—	10	5	37	**88**	19	**22**	—	4	**526**
Bars—Hot rolled	26	62	148	254	**3,449**	24	**26**	220	3	**372**
Bar shapes under 3"	—	651	753	106	**1,931**	502	**502**	77	—	**134**
Concrete reinforcing bars	—	—	—	2	**962**	—	**61**	321	—	**346**
Cold finished bars	13	16	74	67	**1,188**	77	**143**	1,597	60	**1,772**
Tool steel	7	29	39	20	**327**	58	**60**	—	49	**56**
Standard pipe	66	111	96	287	**2,583**	70	**76**	57	4	**3,285**
Oil country goods	18	9	10	101	**3,880**	473	**743**	4,244	97	**22,841**
Line pipe	—	62	—	1	**785**	12	**76**	138	—	**449**
Mechanical tubing	47	97	27	10	**562**	1,639	**1,639**	2	209	**216**
Pressure tubing	—	2	1	25	**630**	43	**65**	1	—	**62**
Stainless pipe and tubing	37	90	38	105	**2,242**	2	**3**	60	23	**257**
Pipe and tubing nonclassified	82	458	238	441	**4,622**	89	**917**	3,871	11	**9,483**
Structural pipe and tubing	—	157	—	91	**1,557**	80	**80**	2,158	—	**2,303**
Wire drawn	7	27	501	94	**1,144**	98	**147**	9	289	**317**
Wire—Nails and staples	2	22	23	104	**520**	226	**327**	2	25	**67**
—Barbed, iron or steel	—	114	3	1	**227**	10	**22**	—	—	**6**
Black plate	14,144	93	2,998	1,285	**27,250**	38	**38**	—	—	**—**
Tin plate	21,415	1,231	4,970	277	**67,873**	206	**206**	29,846	100	**30,575**
Tin free steel	99	13	—	—	**111**	—	**2**	91	—	**91**
Sheets—Hot rolled	6	90	973	988	**5,600**	168	**202**	11	6	**70**
—Cold rolled	249	126	1,082	338	**6,268**	24	**25**	562	1	**584**
Sheets & strip galvanized	724	16	272	23	**8,142**	2	**2**	1	—	**47**
Coated sheets	1,410	186	470	186	**4,946**	304	**333**	552	112	**709**
Electrical sheets & strip	290	—	169	90	**712**	2	**2**	352	24	**376**
Strip—Hot rolled	74	148	25	641	**1,120**	130	**130**	4	—	**16**
—Cold rolled	106	31	37	124	**1,782**	219	**247**	—	10	**1,325**
Total Steel Mill Products	**39,568**	**5,871**	**17,223**	**6,726**	**173,956**	**4,731**	**6,521**	**44,366**	**1,051**	**77,514**
Carbon	38,383	3,565	10,831	4,094	**142,933**	1,252	**2,605**	37,977	509	**61,351**
Alloy	1,018	1,987	6,054	1,807	**20,419**	3,176	**3,545**	5,867	224	**14,795**
Stainless	167	319	337	825	**10,604**	302	**371**	522	318	**1,368**

Table 18A

Exports of Iron and Steel Products by Countries of Destination—1985

(Net tons)

Products	Grand Total	Canada	LATIN AMERICA				
			Mexico	Vene-zuela	Brazil	Argen-tina	Total Latin Am.
Other Steel Products							
Plates—Fabricated	5,633	2,787	213	74	107	—	1,505
Structural shapes—Fabricated	46,770	7,888	4,556	167	122	107	15,993
Sashes and frames	6,815	1,501	1,847	11	—	—	2,403
Rails—Used	109,560	206	89,641	94	693	—	90,603
Railway Track Material	2,843	556	290	5	—	—	1,295
Bolts, nuts	58,944	50,027	3,227	24	11	1	4,269
Architectural and ornamental work, NEC	1,765	184	39	—	—	—	257
Wire strand, rope, cables and cordage	7,149	1,910	1,194	52	191	287	3,128
Fabricated wire products	10,119	4,253	2,647	47	27	40	3,472
Wire springs	16,135	14,058	1,518	6	—	1	1,635
Welded wire mesh	2,415	1,020	212	8	—	—	893
Sheets—Fabricated	8,044	2,407	165	75	—	—	1,054
Cast steel rolls	1,471	1,246	32	170	—	—	201
Forgings	46,265	19,827	656	488	10	—	2,713
Chains and Parts	8,129	5,303	699	77	53	21	1,481
Pipe and tube fittings	26,956	12,624	2,816	250	59	21	5,458
Total Other Steel Products	**361,016**	**125,799**	**109,752**	**1,547**	**1,271**	**480**	**136,360**
Total Steel Products	**1,292,991**	**440,282**	**261,424**	**8,622**	**3,843**	**3,027**	**373,866**
Iron Products and Ferroalloys							
Cast iron pressure pipe	8,600	1,003	1,216	9	—	6	2,378
Cast iron soil pipe	22,099	334	1,180	150	—	—	4,306
Cast iron fittings not malleable	5,808	1,711	802	18	—	12	1,322
Cast iron fittings malleable	3,500	1,982	204	55	—	2	1,111
Iron castings	94,419	93,718	34	22	30	—	173
Pig iron	31,614	11,885	5,692	66	—	—	5,874
Sponge iron, iron or steel powders	10,773	6,208	1,814	110	1,294	338	3,673
Ferroalloys	98,417	25,861	2,973	252	306	13	5,412
Total Iron Products and Ferroalloys	**276,231**	**142,702**	**13,915**	**682**	**1,630**	**372**	**24,249**
Grand Total	**1,569,222**	**582,984**	**275,339**	**9,304**	**5,473**	**3,399**	**398,115**
Iron and steel scrap	9,948,395	445,817	596,946	470,978	119,725	50	1,378,149

Table 18A *(continued)*

Exports of Iron and Steel Products by Countries of Destination—1985

(Net tons)

	EUROPE									
	EUROPEAN ECONOMIC COMMUNITY									
Products	**United Kingdom**	**Nether-lands**	**Belgium-Luxembourg**	**France**	**Fed. Rep. Germany**	**Italy**	**Total E.E.C.***	**Sweden**	**Spain**	**Total Europe**
Other Steel Products										
Plates—Fabricated	32	—	4	28	3	—	67	1	—	16
Structural shapes—Fabricated	508	62	108	42	243	47	1,032	786	12	905
Sashes and frames	365	65	—	7	10	8	473	1	3	55
Rails—Used	17	97	—	—	—	—	113	13	—	13
Railway Track Material	66	—	—	—	—	11	76	—	—	2
Bolts, nuts	1,907	37	29	270	185	83	2,551	118	28	309
Architectural and ornamental work, NEC	283	175	1	—	57	—	516	—	—	11
Wire strand, rope, cables and cordage	230	5	30	54	53	17	394	13	10	87
Fabricated wire products	288	46	211	87	159	171	983	—	19	94
Wire springs	24	4	15	3	19	10	78	11	2	21
Welded wire mesh	26	5	18	3	3	7	63	—	1	13
Sheets—Fabricated	250	1	—	1	229	3	505	3	—	15
Cast steel rolls	1	—	—	—	—	—	1	—	22	22
Forgings	118	895	1,302	223	78	53	2,705	182	3	251
Chains and Parts	81	317	1	25	76	6	516	8	24	80
Pipe and tube fittings	548	170	64	293	379	126	1,867	30	53	408
Total Other Steel Products	**4,744**	**1,879**	**1,784**	**1,037**	**1,496**	**542**	**11,940**	**1,166**	**177**	**2,301**
Total Steel Products	**22,467**	**4,910**	**3,374**	**2,703**	**13,511**	**53,025**	**101,613**	**4,385**	**2,341**	**34,623**
Iron Products and Ferroalloys										
Cast iron pressure pipe	59	26	13	7	—	101	214	—	—	29
Cast iron soil pipe	—	—	—	—	—	—	—	—	—	23
Cast iron fittings not malleable	33	21	8	7	6	201	280	7	43	72
Cast iron fittings malleable	26	4	—	2	—	2	35	7	—	8
Iron castings	67	—	85	—	6	—	162	—	—	—
Pig iron	—	—	—	—	—	12,317	12,317	—	—	1,380
Sponge iron, iron or steel powders	202	96	79	23	16	72	493	77	1	102
Ferroalloys	2,707	4,586	34,119	135	14,113	559	56,219	106	1,188	1,515
Total Iron Products and Ferroalloys	**3,094**	**4,733**	**34,304**	**173**	**14,141**	**13,253**	**69,721**	**197**	**1,232**	**3,131**
Grand Total	**25,561**	**9,643**	**37,678**	**2,876**	**27,652**	**66,278**	**171,334**	**4,582**	**3,574**	**37,754**
Iron and steel scrap	27,415	27,307	18,234	5,110	25,929	307,181	595,185	20,183	909,580	**1,889,713**

*Includes totals for Denmark, Ireland and Greece.

Table 18A *(continued)*

Exports of Iron and Steel Products by Countries of Destination—1985

(Net tons)

	ASIA					OCEANIA		AFRICA		
Products	**India**	**Korea Republic**	**China Taiwan**	**Japan**	**Total Asia**	**Australia**	**Total Oceania**	**Egypt**	**Republic of South Africa**	**Total Africa**
Other Steel Products										
Plates—Fabricated	—	216	—	219	**562**	52	**52**	19	4	**644**
Structural shapes—Fabricated	6	1,963	72	239	**11,329**	280	**540**	1,868	116	**9,083**
Sashes and frames	—	199	21	39	**2,157**	3	**13**	38	—	**213**
Rails—Used	—	—	—	—	**18,624**	—	**—**	—	—	**—**
Railway track material	6	—	7	14	**420**	8	**8**	—	—	**485**
Bolts, nuts	29	65	23	173	**1,335**	124	**151**	62	95	**303**
Architectural and ornamental work, NEC	—	58	—	45	**500**	2	**2**	157	—	**294**
Wire strand, rope, cables & cordage	19	68	92	58	**623**	36	**75**	708	13	**933**
Fabricated wire products	10	87	9	37	**1,195**	74	**101**	10	2	**20**
Wire springs	1	6	41	10	**173**	71	**81**	65	1	**89**
Welded wire mesh	—	6	54	42	**343**	4	**12**	—	—	**71**
Sheets—Fabricated	—	105	79	520	**3,637**	71	**85**	179	31	**340**
Cast steel rolls	—	—	—	—	**1**	—	**—**	—	—	**—**
Forgings	40	6	26	38	**1,094**	25	**19,671**	—	7	**7**
Chains and parts	1	59	28	130	**461**	118	**125**	67	63	**164**
Pipe and tube fittings	48	265	124	652	**6,319**	429	**541**	528	155	**1,739**
Total Other Steel Products	**159**	**3,103**	**578**	**2,217**	**48,771**	**1,297**	**21,459**	**3,702**	**486**	**14,385**
Total Steel Products	**39,727**	**8,974**	**17,801**	**8,943**	**222,727**	**6,028**	**27,980**	**48,068**	**1,675**	**91,899**
Iron Products and Ferroalloys										
Cast iron pressure pipe	16	49	—	391	**4,272**	35	**41**	327	27	**662**
Cast iron soil pipe	—	60	—	50	**17,171**	—	**—**	53	—	**265**
Cast iron fittings not malleable	1	81	39	239	**2,476**	113	**151**	233	5	**794**
Cast iron fittings malleable	54	65	7	60	**273**	41	**42**	14	1	**48**
Iron castings	—	—	1	1	**43**	66	**66**	—	1	**257**
Pig iron	—	19	—	—	**158**	—	**—**	—	—	**—**
Sponge iron, iron or steel powders	—	4	8	118	**241**	32	**32**	—	—	**25**
Ferroalloys	262	909	331	7,174	**8,779**	508	**576**	—	49	**55**
Total Iron Products and Ferroalloys	**333**	**1,187**	**385**	**8,031**	**33,414**	**793**	**908**	**626**	**82**	**2,107**
Grand Total	**40,060**	**10,161**	**18,186**	**16,974**	**256,141**	**6,821**	**28,888**	**48,694**	**1,757**	**94,006**
Iron and steel scrap	609,703	1,978,102	414,217	2,110,087	**5,639,064**	246	**249**	—	161	**218**

Table 19

Imports of Iron and Steel Products

(Net tons)

Products	1985	1984	1983	1982	1981
Steel Mill Products:					
Ingots, blooms, slabs, and billets, etc.	2,440,368	1,515,837	822,483	716,588	790,062
Wire rods	1,479,176	1,589,788	1,185,291	941,390	888,442
Structural shapes (plain 3" & over)	1,978,711	2,046,630	1,444,721	1,483,481	1,976,796
Steel piling	139,807	108,995	113,554	114,859	98,712
Plates	1,377,921	1,538,495	1,103,199	1,619,527	2,447,688
Rails and track accessories	358,441	350,299	152,853	320,341	282,868
Wheels and axles	23,604	23,591	6,500	19,931	35,701
Concrete reinforcing bars	411,450	434,147	208,303	51,676	52,645
Bar shapes under 3"	140,318	174,788	88,288	59,707	105,417
Bars—Hot rolled	645,631	750,042	457,094	463,362	596,014
—Cold finished	314,865	328,419	191,605	218,306	232,005
Tool steel	37,142	32,054	30,423	†	†
Standard pipe	977,539	1,068,753	971,410	705,517	(INCL. IN OTHER PIPE & TUBE)
Oil country goods	1,497,972	2,206,595	564,769	2,179,862	
Line pipe	1,042,356	982,669	494,424	1,122,408	
Mechanical tubing	328,251	283,248	40,124	49,424	
Pressure tubing	43,985	51,653	48,459	48,594	
Stainless pipe & tubing	33,876	32,186	19,159	†	
Structural pipe & tubing	502,112	320,691	186,621	†	
Other pipe and tubing	37,577	475,918	537,095	1,144,143	6,568,556
Wire drawn	623,076	678,367	458,632	334,201	385,020
Bale ties & baling wire	885	2,986	448	129	83
Galvanized wire fencing	14,099	11,307	10,142	8,448	8,452
Wire nails	402,425	458,326	374,038	264,365	303,478
Barbed wire	15,336	27,729	28,927	18,162	26,942
Black plate	241,375	278,003	170,420	119,507	97,842
Tin plate	398,564	355,777	290,535	216,243	286,271
Tin free steel	145,606	104,001	62,170	(Incl. in Sheets—Other—Elec. Ctd.)	
Terne plate	††	††	††	2,153	2,142
Sheets—Hot rolled	2,785,583	3,033,150	2,316,786	1,355,027	1,628,144
—Cold rolled	2,701,645	3,594,729	2,417,195	1,706,699	1,626,000
—Galvanized†††	2,465,419	2,729,584	1,824,163	1,227,875	1,303,595
All other metalic coated	204,250	224,232	286,295	(Incl. in galvanized)	
Electrical sheets & strip	118,834	89,324	46,595	(Incl. in Sheets HR—Strip CR)	
Strip—Hot rolled	62,154	79,591	32,531	21,653	24,939
—Cold rolled	265,296	181,313	84,644	49,207	50,870
—Hot and cold rolled—Alloy	†	†	†	22,361	23,091
Sheets—Other—Electric coated	†	†	†	57,388	56,565
Total Steel Mill Products	**24,255,651**	**26,163,218**	**17,069,895**	**16,662,532**	**19,898,340**
Carbon	22,863,841	24,913,727	16,343,643	15,376,328	18,615,633
Alloy	1,120,731	986,938	535,928	1,083,683	1,091,514
Stainless	271,079	262,554	190,324	202,521	191,193

†Included in other individual product classifications.
††Included in all other metalic coated.
†††Includes all other metalic ctd. prior to 1983.

Table 19 *(continued)*

Imports of Iron and Steel Products

(Net tons)

Products	1985	1984	1983	1982	1981
Other Steel Products:					
Structural shapes, fabricated	354,011	278,310	203,312	144,959	167,567
Shapes—Cold formed	1,951	1,770	1,552	615	485
Sashes and frames	3,085	2,785	1,432	997	703
Fence or sign posts	8,731	12,317	5,909	2,805	1,162
Wire—Nonmetalic coated	1,479	1,034	747	528	1,006
Wire rope	156,473	147,820	106,594	108,593	121,414
Wire strand	176,376	184,704	163,228	172,803	148,541
Welded wire fabric	40,276	23,167	17,755	19,933	13,730
Other nails and staples	41,553	44,554	38,117	23,530	26,243
Bale ties, made from strip	743	675	643	1,196	1,389
Bolts, nuts, and rivets	626,799	674,880	443,142	421,661	445,312
Grinding balls	3,559	10,804	4,990	8,699	14,347
Blanks, nonrectangular flat rolled	36,156	13,085	5,536	4,016	4,830
Rigid conduit	21,258	3,915	3,169	1,656	1,920
Pipe and tube fittings	129,331	110,370	72,657	113,186	132,066
Total Other Steel Products	**1,601,783**	**1,510,189**	**1,068,782**	**1,025,177**	**1,080,715**
Total Steel Products	25,857,434	**27,673,407**	**18,138,677**	**17,687,709**	**20,979,055**
Iron Products and Ferroalloys:					
Bar iron, iron slabs and blooms, etc	231	117	150	73	177
Cast iron soil pipe and fittings	4,164	1,729	439	514	1,040
Other cast iron pipe and fittings	38,663	14,887	9,541	8,745	7,841
Malleable cast iron pipe fittings	24,293	26,276	19,153	18,718	16,360
Castings and forgings	209,302	176,234	106,874	108,163	122,978
Pig iron	338,260	702,461	242,142	321,699	433,017
Sponge iron	103,534	175,328	135,321	50,471	75,710
Ferromanganese (manganese content)	361,884	320,790	266,327	379,167	516,651
Ferrosilicon (silicon content)	152,436	96,302	106,666	53,130	110,742
Ferrochromium (chromium content)	331,013	242,723	162,998	84,777	244,314
Other ferroalloys	211,327	117,820	113,096	56,836	121,495
Total Iron Products and Ferroalloys	**1,775,108**	**1,874,666**	**1,162,707**	**1,082,293**	**1,650,325**
Grand Total	27,632,542	**29,548,073**	**19,301,384**	**18,770,002**	**22,629,380**
Iron and Steel Scrap	611,358	577,251	640,770	474,190	561,766

Table 20

Imports of Iron and Steel Products

(Net tons)

Products	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
Steel Mill Products:										
Ingots, blooms, billets, slabs, etc.	2,440,368	1,515,837	822,483	716,588	790,062	155,343	344,693	413,899	297,711	240,110
Wire rods	1,479,176	1,589,788	1,185,291	941,390	888,442	829,259	985,414	1,326,580	1,341,575	1,120,744
Structural shapes and piling	2,118,518	2,155,625	1,558,275	1,598,340	2,075,508	1,828,966	1,984,782	1,926,967	1,817,187	1,424,451
Plates	1,377,921	1,538,495	1,103,199	1,619,527	2,447,688	2,059,713	1,819,812	2,924,989	2,116,459	1,596,429
Rails and accessories	382,045	373,890	159,353	340,272	318,569	414,076	313,223	285,885	207,191	113,667
Bars and tool steel	1,549,406	1,719,450	975,713	793,051	986,081	859,989	1,127,414	1,337,014	1,363,907	935,790
Pipe and tubing	4,463,668	5,421,713	2,862,061	5,249,948	6,568,556	3,776,535	2,920,019	3,045,910	2,473,740	2,005,152
Wire and wire products	1,055,821	1,178,715	872,187	625,303	723,975	714,874	827,257	1,074,781	977,234	815,359
Tin mill products	785,545	737,781	523,125	337,903	386,255	377,542	344,851	426,566	465,134	324,470
Sheets and strip	8,603,181	9,931,923	7,008,209	4,440,210	4,713,204	4,478,673	6,850,670	8,371,991	8,246,474	5,708,433
Total Steel Mill Products	**24,255,651**	**26,163,218**	**17,069,895**	**16,662,532**	**19,898,340**	**15,494,970**	**17,518,135**	**21,134,582**	**19,306,612**	**14,284,605**
Other Steel Products	1,601,783	1,510,189	1,068,782	1,025,177	1,080,715	1,016,709	1,149,511	1,129,578	985,233	651,939
Total Steel Products	**25,857,434**	**27,673,407**	**18,138,677**	**17,687,709**	**20,979,055**	**16,511,679**	**18,667,646**	**22,264,160**	**20,291,845**	**14,936,544**
Iron Products and Ferroalloys	1,775,108	1,874,666	1,162,707	1,082,293	1,650,325	1,366,341	1,658,908	1,804,126	1,366,278	1,357,184
Grand Total	**27,632,542**	**29,548,073**	**19,301,384**	**18,770,002**	**22,629,380**	**17,878,020**	**20,326,554**	**24,068,286**	**21,658,123**	**16,293,728**

Table 21

Imports of Steel Mill Products

(Net tons)

Months	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
January	2,661,496	2,081,905	1,097,621	1,968,663	1,281,332	1,265,093	1,264,346	1,537,793	1,121,267	1,006,896
February	2,047,766	2,160,912	1,156,903	1,600,300	1,234,087	1,666,905	1,329,115	2,219,592	1,002,459	966,145
March	2,028,519	2,225,055	1,113,127	1,355,969	1,141,878	1,119,981	1,095,893	1,988,233	1,175,410	1,033,899
April	1,908,639	2,215,824	1,182,177	1,029,288	1,760,883	1,249,874	1,071,955	2,174,892	1,114,786	948,334
May	1,954,680	1,997,669	1,352,954	1,695,850	1,772,326	1,614,653	1,654,757	1,511,255	1,817,390	1,071,425
June	2,360,744	1,775,968	1,296,840	1,783,632	1,665,347	1,202,689	1,365,619	1,359,820	1,818,620	1,354,854
July	1,577,020	2,655,913	1,410,816	1,113,031	1,663,042	1,079,040	1,514,423	1,784,814	1,582,037	1,190,080
August	2,028,485	2,515,952	1,617,273	1,450,515	2,226,364	1,374,121	1,783,935	1,870,390	1,831,115	1,201,166
September	2,539,131	2,181,795	1,521,966	1,190,779	1,747,583	1,063,755	1,640,695	1,584,169	2,057,413	1,282,664
October	1,302,521	1,985,702	1,755,164	1,145,847	1,871,511	1,141,939	1,603,188	1,715,239	1,761,726	1,267,934
November	1,699,656	2,208,978	1,835,197	1,258,423	1,921,117	1,179,301	1,651,951	2,016,345	1,937,947	1,596,834
December	2,146,995	2,157,543	1,729,858	1,090,494	1,612,870	1,533,920	1,542,258	1,372,040	2,086,549	1,364,403
Total*	**24,255,651**	**26,163,218**	**17,069,895**	**16,662,532**	**19,898,340**	**15,494,970**	**17,518,135**	**21,134,582**	**19,306,612**	**14,284,605**

*Revised totals include adjustments not shown in monthly figures.

Table 22

Imports of Steel Mill Products By Countries of Origin

(Net Tons)

	1985			1984			1983			1982			1981		
	Net Tons	% Total	% U.S. Apparent Supply**	Net Tons	% Total	% U.S. Apparent Supply**	Net Tons	% Total	% U.S. Apparent Supply**	Net Tons	% Total	% U.S. Apparent Supply**	Net Tons	% Total	% U.S. Apparent Supply**
Canada	**2,868,279**	**11.8**	**3.0**	**3,167,308**	**12.1**	**3.2**	**2,378,617**	**13.9**	**2.9**	**1,844,199**	**11.1**	**2.4**	**2,898,795**	**14.6**	**2.7**
Mexico	271,794	1.1	0.3	796,812	3.0	0.8	651,009	3.8	0.8	112,875	0.7	0.1	40,904	0.2	
Brazil	1,701,348	7.0	1.8	1,460,848	5.6	1.5	1,257,006	7.4	1.5	604,636	3.6	0.8	547,884	2.8	0.5
Argentina	191,094	0.8	0.2	300,174	1.1	0.3	282,253	1.7	0.3	167,487	1.0	0.2	61,121	0.3	0.1
Total Latin America	**2,624,705**	**10.8**	**2.7**	**3,132,081**	**12.0**	**3.2**	**2,414,527**	**14.2**	**2.9**	**974,399**	**5.8**	**1.3**	**782,156**	**3.9**	**0.8**
United Kingdom	611,546	2.5	0.6	476,229	1.8	0.5	363,750	2.1	0.4	486,436	2.9	0.6	573,676	2.9	0.5
Netherlands	577,872	2.4	0.6	446,355	1.7	0.5	370,681	2.2	0.4	375,481	2.2	0.5	462,572	2.3	0.4
Belgium-Luxembourg	1,061,421	4.4	1.1	921,036	3.5	0.9	615,008	3.6	0.7	929,440	5.6	1.2	1,108,593	5.6	1.1
France	1,596,266	6.6	1.7	1,126,512	4.3	1.1	913,743	5.4	1.1	977,372	5.9	1.3	1,289,365	6.5	1.2
West Germany	2,361,233	9.7	2.5	2,543,272	9.7	2.6	1,386,655	8.1	1.7	2,080,130	12.5	2.7	2,164,352	10.9	2.1
Italy	614,245	2.5	0.6	654,490	2.5	0.7	395,356	2.3	0.5	643,627	3.9	0.8	768,121	3.9	0.7
Total EEC*	**6,977,433**	**28.8**	**7.2**	**6,334,405**	**24.2**	**6.4**	**4,114,298**	**24.1**	**4.9**	**5,596,636**	**33.6**	**7.3**	**6,482,137**	**32.6**	**6.1**
Sweden	670,820	2.8	0.7	639,354	2.4	0.6	213,811	1.3	0.3	292,231	1.8	0.4	169,503	0.9	0.2
Finland	241,294	1.0	0.3	298,735	1.1	0.3	196,294	1.1	0.2	121,256	0.7	0.2	124,545	0.6	0.1
Poland	95,401	0.4	0.1	132,289	0.5	0.1	77,242	0.5	0.1	42,253	0.3	0.1	167,498	0.8	0.2
Spain	547,178	2.3	0.6	1,392,041	5.3	1.4	609,653	3.6	0.7	547,207	3.3	0.7	729,796	3.7	0.7
Romania	355,444	1.5	0.4	264,274	1.0	0.3	9,426	0.1		36,730	0.2		307,364	1.5	0.3
Austria	306,550	1.3	0.3	326,120	1.2	0.3	35,418	0.2		102,252	0.6	0.1	41,200	0.2	
Total Europe	**9,765,363**	**40.3**	**10.2**	**9,962,748**	**38.1**	**10.1**	**5,309,764**	**31.1**	**6.4**	**6,774,638**	**40.7**	**8.9**	**8,077,373**	**40.6**	**7.7**
Japan	5,974,508	24.6	6.2	6,630,005	25.3	6.7	4,236,915	24.8	5.1	5,185,138	31.1	6.8	6,220,083	31.3	5.9
Korea Republic	1,899,043	7.8	2.0	2,234,331	8.5	2.3	1,727,573	10.1	2.1	1,062,076	6.4	1.4	1,218,381	6.1	1.2
China-Taiwan	217,725	0.9	0.2	160,118	0.6	0.2	177,161	1.0	0.2	117,574	0.7	0.2	131,192	0.7	0.1
Republic of So. Africa	411,062	1.7	0.4	556,545	2.1	0.6	556,896	3.3	0.7	529,782	3.2	0.7	371,098	1.9	0.4
Total Asia & Africa	**8,801,485**	**36.3**	**9.1**	**9,685,397**	**37.0**	**9.8**	**6,761,079**	**39.6**	**8.1**	**6,939,285**	**41.6**	**9.1**	**8,011,266**	**40.3**	**7.6**
Australia & Oceania	**195,819**	**0.8**	**0.2**	**215,683**	**0.8**	**0.2**	**205,908**	**1.2**	**0.2**	**130,011**	**0.8**	**0.2**	**128,750**	**0.6**	**0.1**
Total Imports of Steel Mill Products	**24,255,651**	**100.0**	**25.2**	**26,163,218**	**100.0**	**26.4**	**17,069,895**	**100.0**	**20.5**	**16,662,532**	**100.0**	**21.8**	**19,898,340**	**100.0**	**18.9**

*Includes total for Denmark,Ireland and Greece.

**As developed in table 1A of this Report.

Country detail may not add to regional total because of omissions of some countries.

Table 23

Imports of Iron and Steel Products by Countries of Origin—1985

(Net tons)

Products	Grand Total	Canada	Latin America: Mexico	Latin America: Venezuela	Latin America: Brazil	Latin America: Argentina	Latin America: Total Latin America
Steel Mill Products							
Ingots, blooms, billets, slabs, etc	2,440,368	70,223	5,108	41,304	874,353		920,765
Wire rods	1,479,176	353,728	37,656	56,414	46,249		192,288
Structural shapes-plain 3" & over	1,978,711	259,706	17,715		11,199	258	29,189
Steel piling	139,807	13,253	5				5
Plates	1,377,921	170,535	16,384	697	40,677	2,760	60,522
Rails standard	200,404	37,396					
Rails other	48,080	12,642			420		420
Joint bars and tie plates	109,661	1,425			1		1
Track spikes	296	213					
Wheels and axles	23,604	767	154		2,567		2,720
Bars—hot rolled	645,631	250,684	3,218		52,988	9,722	72,347
Bars shapes under 3 inches	140,318	46,958	303		5,319	1,691	7,452
Concrete reinforcing bars	411,450	20,512	2,835	84,613	66,295	49	192,337
Bars—cold finished	314,865	39,902	1,339		13,878	2,452	17,670
Tool steel	37,142	3,777	59		2,279	186	2,524
Standard pipe	977,539	31,200	32,588	5,674	36,388	2,281	77,448
Oil country goods	1,497,972	158,454	36,375	39,626	13,482	24,981	114,465
Line pipe	1,042,356	38,601	32,316	48,783	141,147	10,609	232,964
Mechanical tubing	328,251	69,087	4,470	360	4,634	359	9,969
Pressure tubing	43,985	420	1	552	1,075	1,642	3,290
Stainless pipe & tubing	33,876	1,441	459		34		494
Pipe & tubing nonclassified	37,577	17,381	2,187	604	90	819	3,700
Structural pipe & tube, square & rectangular	502,112	112,718	9,940	18,805	19,822	8,465	57,032
Wire drawn	623,076	177,313	874	4,453	12,110	1,330	24,220
Wire nails	402,425	83,372	1,306	392	3,453		9,114
Barbed wire	15,336	58	1,920		2,973	892	5,787
Galvanized wire fencing	14,099	4,999	6,958			4	6,966
Bale ties & bailing wire	885				73		73
Black plate	241,375	6,458			8,453	218	8,671
Tin plate	398,564	45,899			1,107		1,108
Tin free steel	145,606	5,041					16
Sheets—hot rolled	2,785,583	394,596	4,996	33,214	126,066	8,083	181,660
Sheets—cold rolled	2,701,645	123,969	10,101	1,669	121,503	101,013	234,286
Sheets—galvanized	2,465,419	260,261	37,966	17,922	15,732	9,936	90,318
All other metallic coated	204,250	710	95		133	19	247
Electric sheets & strip	118,834	11,378			3,441		3,441
Strip—hot rolled	62,154	6,220	2,926		26,465	2,822	32,216
Strip—cold rolled	265,296	36,985	1,544		26,934	501	28,979
Total steel mill products	**24,255,651**	**2,868,279**	**271,794**	**355,082**	**1,701,348**	**191,094**	**2,624,705**
Carbon	22,863,841	2,666,560	255,637	350,107	1,590,932	188,611	2,490,471
Alloy	1,120,731	194,615	12,328	4,974	104,115	2,286	123,903
Stainless	271,079	7,104	3,830		6,302	196	10,331

Country total may not add to regional total because of omissions of some countries.

Table 23 *(continued)*

Imports of Iron and Steel Products by Countries of Origin—1985

(Net tons)

Products	Europe												
	European Economic Community												
	United Kingdom	Nether-lands	Belgium-Luxembourg	France	Fed Rep Germany	Italy	Greece	Total E.E.C.*	Sweden	Finland	Austria	Romania	Spain	Total Other Europe
Steel Mill Products														
Ingots, blooms, billets, slabs, etc	58,835	60,933	159,321	236,008	446,459	5,995	—	**968,634**	335,439	14,313	143	5,383	10,766	**370,324**
Wire rods	44,769	13,371	19,698	149,636	44,657	11,719		**283,250**	53,110	5,816	17,926	3,971	34,141	**243,881**
Structural shapes-plain 3" & over	156,512	—	261,910	68,602	151,211	2,738	—	**640,973**	379	758	275	—	161,331	**230,276**
Steel piling	14,028	—	39,941	24,894	27,464	—	69	**106,396**	—	—	—	—	195	**236**
Plates	37,807	288	176,144	24,170	81,532	35,894	277	**361,153**	70,520	87,624	5,894	249,383	53,656	**606,835**
Rails standard	1,375	—	4,432	15,859	37,797	1	—	**59,463**	2,689	—	87	—	—	**2,775**
Rails other	4,449	—	8,533	1,698	9,578	3	—	**24,261**	272	—	—	—	—	**272**
Joint bars and tie plates	2	—	126	—	5	—	—	**133**	—	—	—	—	—	—
Track spikes	—	—	—	—	8	—	—	**8**	—	—	—	—	—	**10**
Wheels and axles	15	4	103	4,539	1,155	397	—	**6,214**	2	—	130	—	—	**136**
Bars—hot rolled	92,742	180	12,475	3,051	26,906	1,422	—	**136,777**	13,698	197	649	69	36,757	**60,332**
Bars shapes under 3 inches	4,075	74	16,571	2,444	2,532	998	—	**26,695**	1,763	—	90	—	575	**2,428**
Concrete reinforcing bars	8,159	—	22	23,130	216	72,050	—	**103,576**	11	46	—	—	5,605	**12,127**
Bars—cold finished	39,216	20	1,722	64,861	6,791	19,193	—	**132,259**	1,645	1,985	135	—	15,252	**19,937**
Tool steel	1,829	14	18	537	7,110	940	—	**10,447**	10,761	8	2,676	—	159	**13,838**
Standard pipe	2,872	19,177	23,993	5,651	50,972	6,792	2,313	**111,770**	13,959	341	112	7,489	15,674	**81,717**
Oil country goods	10,665	1	15,076	15,381	125,014	124,080	37,076	**327,292**	937	2,569	66,263	13,489	25,030	**117,472**
Line pipe	9,494	5	11,895	92,947	106,661	34,496	5,322	**260,821**	4,410	4,454	—	288	2,870	**19,060**
Mechanical tubing	6,362	407	474	6,681	16,497	6,979	170	**37,569**	8,050	—	1,307	110	12,974	**27,161**
Pressure tubing	631	—	52	1,619	4,614	4,990	—	**11,908**	2,437	—	—	—	5,569	**9,122**
Stainless pipe & tubing	1,636	217	29	916	2,019	1,297	—	**6,127**	6,858	12	826	—	117	**8,018**
Pipe & tubing nonclassified	1,595	15	22	910	4,234	4,448	—	**11,223**	4	—	53	—	167	**226**
Structural pipe & tube, square & rectangular	693	111	3,965	6,319	6,990	11,769	735	**30,583**	47	1,091	5,658	11,654	1,433	**33,376**
Wire drawn	26,219	4,402	80,787	56,809	33,113	15,230	132	**216,693**	12,681	2,117	2,023	—	793	**22,990**
Wire nails	1,743	798	1,399	1,927	816	824	—	**9,673**	3	—	2,198	8,270	17,145	**66,095**
Barbed wire	118	9	1,923	20	35	—	—	**2,105**	—	—	—	—	84	**2,439**
Galvanized wire fencing	99	--	1,670	45	70	—	—	**1,884**	—	—	—	—	39	**39**
Bale ties & baling wire	—	3	29	43	196	—	—	**460**	—	—	—	—	—	**80**
Black plate	2,428	3,961	36,408	7,796	13,269	173	18,598	**82,632**	—	—	115	—	—	**324**
Tin plate	1,746	8,270	3,944	18,280	32,998	—	—	**65,238**	—	—	—	—	1,594	**11,337**
Tin free steel	4,120	2,518	—	11,891	44,094	—	—	**62,623**	—	—	—	—	—	—
Sheets—hot rolled	15,469	296,468	52,710	455,228	392,135	92,131	1,254	**1,305,586**	43,455	57,967	74,145	50,047	36,477	**292,012**
Sheets—cold rolled	31,235	154,082	97,628	174,746	368,872	99,151	41,051	**966,765**	55,747	44,646	110,857	1,995	60,458	**323,754**
Sheets—galvanized	11,821	12,109	16,070	90,234	230,143	33,036	176	**395,600**	13,010	11,968	14,551	3,295	27,260	**161,672**
All other metallic coated	2,191	16	733	14,435	17,064	371	—	**34,810**	347	326	230	—	1,443	**4,032**
Electric sheets & strip	7,703	92	2,089	2,204	29,883	19,810	—	**61,781**	7,072	—	79	—	—	**7,215**
Strip—hot rolled	171	—	1,487	60	1,130	—	452	**3,299**	1,222	—	1	—	816	**2,080**
Strip—cold rolled	8,720	328	6,025	12,696	36,993	7,317	38,038	**110,150**	10,291	5,055	127	—	18,801	**34,301**
Total steel mill products	**611,548**	**577,872**	**1,061,421**	**1,596,266**	**2,361,233**	**614,245**	**145,665**	**6,977,433**	**670,820**	**241,294**	**308,550**	**355,444**	**547,178**	**2,787,930**
Carbon	515,418	569,763	1,037,210	1,455,358	2,222,838	547,948	145,422	**6,503,096**	580,058	232,925	293,695	355,402	507,529	**2,634,312**
Alloy	79,810	7,803	15,212	104,672	122,264	42,745	243	**372,750**	64,123	2,190	11,579	41	22,023	**101,468**
Stainless	16,318	306	8,999	36,236	16,130	23,552	—	**101,587**	26,639	6,179	1,276	—	17,625	**52,151**

*Includes totals for Ireland & Denmark.

Table 23 *(continued)*

Imports of Iron and Steel Products by Countries of Origin—1985

(Net tons)

Products	Asia					Oceania		Africa	
	People's Republic of China	Korea Republic	China Taiwan	Japan	Total Asia	Australia	Total Oceania	Republic of South Africa	Total Africa
Steel Mill Products									
Ingots, blooms, billets, slabs, etc	—	49,235	662	5,419	**55,316**	—	—	55,106	**55,106**
Wire rods	—	2,346	9,637	292,329	**372,130**	12,878	21,361	7,750	**11,939**
Structural shapes-plain 3" & over	—	96,859	6,081	653,185	**756,474**	344	344	60,639	**61,748**
Steel piling	—	3,202	—	8,664	**11,866**	—	--	8,051	**8,051**
Plates	—	59,780	7,837	53,023	**123,677**	3,777	3,777	49,960	**51,422**
Rails standard	—	1,746	—	98,764	**100,510**	—	—	—	**259**
Rails other	224	2,433	—	7,829	**10,486**	—	—	—	—
Joint bars and tie plates	7	3,914	—	104,162	**108,083**	—	—	19	**19**
Track spikes	—	61	—	4	**65**	—	—	—	—
Wheels and axles	1,636	25	123	10,804	**12,843**	2	2	923	**923**
Bars—hot rolled	363	11,820	4,444	98,303	**125,251**	10	10	19	**230**
Bars shapes under 3 inches	—	7,442	19,881	26,426	**54,250**	137	137	2,338	**2,398**
Concrete reinforcing bars	—	63,024	2,411	6,952	**72,410**	—	—	10,489	**10,489**
Bars—cold finished	—	7,055	896	93,762	**102,033**	1	1	3,063	**3,063**
Tool steel	37	828	11	5,621	**6,498**	57	57	—	—
Standard pipe	544	397,655	38,816	145,533	**636,554**	10,158	10,158	28,360	**28,693**
Oil country goods	—	165,759	9,573	574,723	**777,603**	29	29	2,550	**2,658**
Line pipe	21	127,702	13,978	337,806	**486,806**	2,665	2,665	1,439	**1,439**
Mechanical tubing	—	41,435	1,742	134,237	**181,123**	751	751	2,590	**2,590**
Pressure tubing	—	40	38	19,148	**19,226**	16	16	3	**3**
Stainless pipe & tubing	—	990	341	16,455	**17,793**	—	2	—	—
Pipe & tubing nonclassified	—	—	643	4,280	**4,944**	102	102	—	—
Structural pipe & tube, square & rectangular	270	71,005	10,757	144,575	**251,953**	7,465	7,465	8,965	**8,985**
Wire drawn	1,075	12,546	2,784	146,348	**163,532**	3,226	6,524	11,716	**11,803**
Wire nails	54,497	136,478	7,512	31,789	**233,327**	64	617	36	**226**
Barbed wire	33	3,300	—	70	**3,800**	26	129	1,018	**1,018**
Galvanized wire fencing	—	—	—	8	**10**	—	201	—	—
Bale ties & baling wire	114	—	—	81	**195**	--	—	77	**77**
Black plate	—	2,052	—	141,149	**143,290**	—	—	—	—
Tin plate	—	8,558	—	250,688	**261,183**	13,799	13,799	—	—
Tin free steel	—	531	—	77,395	**77,926**	—	—	—	—
Sheets—hot rolled	—	186,543	22,726	341,724	**555,297**	4,016	4,016	46,808	**52,416**
Sheets—cold rolled	1	272,464	56,438	655,395	**986,828**	14,742	14,798	50,694	**51,246**
Sheets—galvanized	—	152,071	—	1,261,196	**1,417,712**	56,619	74,425	57,717	**65,431**
All other metallic coated	—	2,081	—	128,185	**130,577**	32,877	33,125	731	**751**
Electric sheets & strip	—	278	—	34,741	**35,019**	—	—	—	—
Strip—hot rolled	—	7,220	321	10,798	**18,338**	—	—	—	—
Strip—cold rolled	—	565	72	52,939	**53,576**	1,276	1,307	—	—
Total steel mill products	**58,823**	**1,899,043**	**217,725**	**5,974,508**	**8,368,504**	**165,037**	**195,819**	**411,062**	**432,981**
Carbon	58,778	1,879,720	215,653	5,569,823	**7,942,285**	163,879	194,658	410,551	**432,459**
Alloy	44	2,824	1,358	322,525	**326,788**	1,155	1,155	54	**54**
Stainless	1	16,499	715	82,159	**99,433**	3	5	457	**468**

Table 23A

Imports of Iron and Steel Products by Countries of Origin—1985

(Net tons)

Products	Grand Total	Canada	Latin America				
			Mexico	Venezuela	Brazil	Argentina	Total Latin America
Other Steel Products:							
Structural shapes, fabricated	**354,011**	125,228	2,810	124	6,300	12	**9,247**
Shapes—cold formed	**1,951**	1,571	—	—	18	—	**18**
Sashes and frames	**3,085**	2,573	36	—	—	—	**36**
Fence or sign posts	**8,731**	27	8,019	47	—	—	**8,065**
Wire—nonmetallic covered	**1,479**	106	—	—	—	—	**294**
Wire rope	**156,473**	4,944	1,241	—	1,158	—	**2,399**
Wire strand	**176,376**	4,185	108	—	4,603	8,031	**12,742**
Welded wire fabric	**40,276**	15,170	3,769	7,989	—	4	**11,991**
Other nails and staples	**41,553**	1,781	349	—	499	—	**2,265**
Bale ties—strip	**743**	—	—	—	—	—	**—**
Bolts, nuts and rivets	**626,799**	60,499	1,532	—	2,419	49	**4,053**
Grinding balls	**3,559**	2,651	—	—	—	—	**—**
Blanks, nonrectangular flat rolled	**36,156**	2,068	179	—	12,459	8,460	**21,128**
Rigid conduit	**21,258**	32	163	—	4,191	—	**16,350**
Pipe and tube fittings	**129,331**	3,749	267	97	7,290	67	**7,721**
Total other steel products	**1,601,783**	**224,582**	**18,473**	**8,257**	**38,937**	**16,623**	**96,308**
Total steel products	**25,857,434**	**3,092,861**	**290,267**	**363,339**	**1,740,285**	**207,717**	**2,721,013**
Iron products & ferroalloys:							
Bar iron, iron slabs & blooms etc	**231**	16	—	—	89	—	**89**
Cast iron soil pipe and fittings	**4,164**	214	34	531	21	—	**586**
Other cast iron pipe and fittings	**38,663**	1,100	155	—	110	—	**266**
Malleable cast iron pipe fittings	**24,293**	64	22	—	536	—	**558**
Castings and forgings	**209,302**	27,371	7,785	258	20,959	90	**29,097**
Pig iron	**338,260**	166,291	—	—	130,762	—	**130,762**
Sponge iron	**103,534**	39,169	—	54,358	—	—	**54,358**
Ferromanganese (manganese content)	**361,884**	30,391	39,283	—	11,538	—	**50,821**
Ferrosilicon (silicon content)	**152,436**	25,442	—	27,737	34,861	6,165	**68,763**
Ferrochromium (chromium content)	**331,013**	145	—	—	10,362	—	**10,362**
Other ferroalloys	**211,327**	2,772	9,656	—	24,163	—	**55,394**
Total Iron Products & Ferroalloys	**1,775,108**	**292,974**	**56,935**	**82,885**	**233,401**	**6,255**	**401,055**
Grand Total	**27,632,542**	**3,385,835**	**347,202**	**446,224**	**1,973,686**	**213,972**	**3,122,068**
Iron and steel scrap	**611,358**	563,580	27,170	158	9	—	**28,717**

Country total may not add to regional total because of omissions of some countries.

Table 23A *(continued)*

Imports of Iron and Steel Products by Countries of Origin—1985

(Net tons)

Products	Europe													
	European Economic Community													
	United Kingdom	Nether-lands	Belgium-Luxembourg	France	Fed Rep Germany	Italy	Greece	Total E.E.C.*	Sweden	Finland	Austria	Romania	Spain	Total Other Europe
Other Steel Products:														
Structural shapes, fabricated	10,554	529	1,117	430	9,564	5,591	654	**30,549**	549	747	237	—	1,105	**2,895**
Shapes—cold formed	—	13	4	31	97	—	—	**145**	28	—	15	—	—	**42**
Sashes and frames	14	11	18	24	205	75	—	**359**	8	—	—	—	—	**14**
Fence or sign posts	—	2	—	129	25	46	—	**201**	—	—	—	—	—	—
Wire—nonmetallic covered	62	23	4	19	8	—	—	**156**	4	3	—	—	—	**8**
Wire rope	1,713	2,230	24,549	11,881	4,529	5,599	18	**50,662**	90	—	183	19	5,074	**6,722**
Wire strand	2,174	9,695	6,839	12,270	5,428	22,155	—	**58,566**	1	—	2,627	23	12,770	**15,468**
Welded wire fabric	2,331	1,007	1,306	7	588	2,285	—	**7,990**	618	—	—	—	603	**1,307**
Other nails and staples	658	159	71	2,116	6,921	2,136	—	**12,066**	3,231	—	2,068	—	793	**6,279**
Bale ties—strip	69	—	—	20	652	—	—	**742**	—	—	—	—	—	**—**
Bolts, nuts and rivets	1,503	3,310	221	700	7,042	13,565	—	**26,864**	2,099	6	148	4	3,244	**15,195**
Grinding balls	8	3	20	40	75	270	—	**415**	—	—	—	—	50	**50**
Blanks, nonrectangular flat rolled	79	1,285	—	19	60	—	—	**1,441**	29	19	356	—	2,416	**2,819**
Rigid conduit	42	1	41	1,590	128	—	—	**1,802**	14	—	—	—	—	**306**
Pipe and tube fittings	4,948	453	407	3,149	9,839	12,081	3	**30,966**	19	8	323	2,510	2,031	**5,315**
Total other steel products	**24,155**	**18,720**	**34,597**	**32,425**	**45,161**	**63,802**	**676**	**222,924**	**6,690**	**782**	**5,958**	**2,555**	**28,087**	**56,423**
Total steel products	**635,703**	**596,592**	**1,096,018**	**1,628,691**	**2,406,394**	**678,047**	**146,341**	**7,200,357**	**677,510**	**242,076**	**312,508**	**357,999**	**575,265**	**2,844,353**
Iron products & ferroalloys:														
Bar iron, iron slabs & blooms etc	105	—	—	—	—	—	—	**105**	—	—	—	—	—	**2**
Cast iron soil pipe and fittings	—	—	—	—	1	—	—	**1**	—	—	—	—	—	**2**
Other cast iron pipe and fittings	60	—	22	88	18,289	50	—	**18,508**	15	—	17	—	79	**234**
Malleable cast iron pipe fittings	246	—	—	223	46	42	—	**556**	—	—	—	—	—	**98**
Castings and forgings	3,253	157	778	12,580	9,492	34,540	—	**60,821**	1	1	1	183	4,700	**7,499**
Pig iron	102	—	—	7,241	1,273	—	22	**8,639**	—	—	—	—	15	**15**
Sponge iron	107	—	92	—	395	768	—	**1,362**	1,233	—	10	—	—	**1,296**
Ferromanganese (manganese content)	—	1,116	—	117,678	9,042	—	—	**127,836**	—	—	—	—	2,243	**13,900**
Ferrosilicon (silicon content)	41	—	19	4,819	2,324	137	—	**7,341**	—	—	—	—	1,475	**46,584**
Ferrochromium (chromium content)	—	850	—	—	5,686	169	4,082	**10,786**	7,004	8,851	—	—	—	**60,855**
Other ferroalloys	888	827	343	573	595	606	—	**3,832**	4	—	675	—	1,475	**45,154**
Total Iron Products & Ferroalloys	**4,802**	**2,949**	**1,254**	**143,201**	**47,147**	**36,311**	**4,104**	**239,788**	**8,256**	**8,852**	**703**	**183**	**9,985**	**175,638**
Grand Total	**640,505**	**599,541**	**1,097,272**	**1,771,892**	**2,453,541**	**714,358**	**150,445**	**7,440,145**	**685,766**	**250,928**	**313,211**	**358,182**	**585,250**	**3,019,991**
Iron and steel scrap	2,931	718	502	10	1,978	66	—	**6,205**	2	—	96	—	2,314	**2,591**

*Includes totals for Ireland & Denmark.

Table 23A *(continued)*

Imports of Iron and Steel Products by Countries of Origin—1985

(Net tons)

Products	Asia					Oceania		Africa	
	People's Republic of China	Korea Republic	China Taiwan	Japan	Total Asia	Australia	Total Oceania	Republic of South Africa	Total Africa
Other Steel Products:									
Structural shapes, fabricated	92	77,734	4,141	99,656	**182,287**	58	2,333	786	**1,472**
Shapes—cold formed	—	—	21	48	**69**	—	—	106	**106**
Sashes and frames	—	28	46	28	**103**	—	—	—	—
Fence or sign posts	39	25	167	24	**384**	4	4	50	**50**
Wire—nonmetallic covered	—	149	305	108	**914**	—	—	—	**—**
Wire rope	19	57,842	2,054	29,411	**90,199**	—	—	1,511	**1,546**
Wire strand	2	25,266	269	48,591	**74,225**	19	155	10,963	**11,035**
Welded wire fabric	742	189	188	2,440	**3,590**	1	6	153	**223**
Other nails and staples	1,919	11,566	1,009	4,285	**18,971**	124	145	29	**48**
Bale ties—strip	—	—	1	—	**1**	—	—	—	**—**
Bolts, nuts and rivets	18,726	29,554	169,570	289,882	**516,132**	393	394	3,509	**3,663**
Grinding balls	—	—	18	426	**444**	—	—	—	**—**
Blanks, nonrectangular flat rolled	—	600	1	1,016	**1,738**	—	—	6,961	**6,961**
Rigid conduit	135	2,409	79	40	**2,769**	—	—	—	**—**
Pipe and tube fittings	171	19,247	16,740	41,845	**80,207**	1,311	1,359	8	**14**
Total other steel products	**21,845**	**224,608**	**194,610**	**517,799**	**972,032**	**1,911**	**4,397**	**24,077**	**25,118**
Total steel products	**80,668**	**2,123,651**	**412,335**	**6,492,307**	**9,340,536**	**166,948**	**200,216**	**435,139**	**458,099**
Iron products & ferroalloys:									
Bar iron, iron slabs & blooms etc	—	—	—	—	**—**	20	20	—	**—**
Cast iron soil pipe and fittings	—	427	156	12	**3,363**	—	—	—	**—**
Other cast iron pipe and fittings	1,004	2,730	3,088	55	**11,795**	6,684	6,684	—	**77**
Malleable cast iron pipe fittings	216	5,225	5,829	7,267	**22,982**	—	—	35	**35**
Castings and forgings	10,711	3,674	12,315	8,531	**82,845**	50	567	1,022	**1,102**
Pig iron	1,968	34	27	2	**2,031**	17	17	30,506	**30,506**
Sponge iron	—	—	99	7,248	**7,347**	—	—	—	**—**
Ferromanganese (manganese content)	—	—	—	212	**212**	11,133	11,133	127,592	**127,592**
Ferrosilicon (silicon content)	—	—	—	163	**163**	—	—	4,144	**4,144**
Ferrochromium (chromium content)	—	—	—	1,115	**7,598**	—	—	203,462	**241,267**
Other ferroalloys	34	—	—	180	**1,824**	14,781	29,111	71,783	**73,241**
Total Iron Products & Ferroalloys	**13,933**	**12,089**	**21,513**	**24,786**	**140,159**	**32,686**	**47,533**	**438,544**	**477,964**
Grand Total	**94,601**	**2,135,740**	**433,848**	**6,517,093**	**9,480,695**	**199,634**	**247,749**	**873,683**	**936,063**
Iron and steel scrap	3,360	1	39	6,650	**10,129**	1	1	—	**134**

Table 24

Imports of Iron and Steel Products by Customs District—1985

(Net tons)

Products	Grand Total	ATLANTIC COAST											
		Boston	Providnce Brdgport	New York City	Phila.	Baltimore/ Wash., DC	Norfolk	Wil- mington	Charles- ton	Savannah	Tampa	Miami	Total
Steel Mill Products													
Ingots, blooms, billets, slabs, etc	**2,440,368**	3	1,580	133,152	105,638	63,854	68,750	723	12,216	2,112	63	—	**388,091**
Wire rods	**1,479,176**	856	46,601	15,298	41,905	31,904	1,377	4,223	22,778	36,428	84,085	6,900	**292,355**
Structural shapes-plain 3" & over	**1,978,711**	126	175,616	12,287	23,484	52,171	68	43,249	1,739	56,935	41,099	1,724	**408,498**
Steel piling	**139,807**	2	29,238	2,900	3,733	5,130	695	83	1,129	7,043	2,769	3,200	**55,922**
Plates	**1,377,921**	4	101,168	3,264	50,849	10,282	866	22,536	1,302	53,592	28,498	6,248	**278,609**
Rails standard	**200,404**	—	4,719	—	1,419	14,414	—	—	—	560	15,392	3,483	**39,987**
Rails other	**48,079**	2	1,023	161	3,555	58	—	344	—	280	22	—	**5,445**
Joint bars and tie plates	**109,664**	—	—	—	24	12,829	—	—	—	288	—	—	**13,141**
Track spikes	**296**	—	—	8	27	—	—	—	—	10	—	—	**45**
Wheels and axles	**23,604**	3	441	1,127	2,365	906	144	27	172	41	12	2	**5,240**
Bars—Hot rolled	**645,631**	491	13,407	2,786	24,232	14,218	698	8,860	1,596	5,670	2,408	492	**74,858**
Bars shapes under 3 inches	**140,318**	413	8,698	2,390	3,392	3,617	305	1,053	571	2,028	1,214	124	**23,805**
Concrete reinforcing bars	**411,450**	—	12,898	120	5,712	—	—	883	5,489	156	6,622	43,074	**74,954**
Bars—Cold finished	**314,865**	1,145	23,670	13,352	19,019	17,674	1,280	8,226	770	3,866	2,253	895	**92,150**
Tool steel	**37,142**	2,245	2,437	5,597	1,548	5,000	3,471	580	1,502	153	1	26	**22,560**
Standard pipe	**977,539**	649	56,438	6,165	102,654	39,127	2,946	21,699	8,132	33,479	45,366	3,167	**319,822**
Oil country goods	**1,497,972**	1	3,335	885	10,147	4,177	123	4,679	4,369	8,388	13,950	—	**50,054**
Line pipe	**1,042,356**	—	1,153	1,009	20,506	843	59	134	502	4,387	14,985	—	**43,578**
Mechanical tubing	**328,251**	261	3,089	4,117	18,088	12,017	792	1,442	2,467	9,080	95	—	**51,448**
Pressure tubing	**43,985**	1	4,506	348	7,264	430	5	89	160	2,216	54	432	**15,505**
Stainless pipe & tubing	**33,876**	123	159	5,313	4,435	951	48	128	28	628	507	5	**12,325**
Pipe & tubing nonclassified	**37,577**	3	—	189	1,552	13	—	52	97	265	1,234	26	**3,431**
Structural pipe & tube, sq. & rect.	**502,112**	11	22,198	529	27,274	2,577	319	7,649	929	17,240	16,133	669	**95,528**
Wire drawn	**623,076**	5,903	1,538	53,003	9,052	35,770	15,102	7,615	12,350	14,297	11,719	7,631	**173,980**
Wire nails	**402,425**	10,950	6,536	34,681	26,270	12,406	1,203	24,345	899	14,071	11,415	6,057	**148,833**
Barbed wire	**15,336**	166	—	149	388	419	141	336	417	358	958	233	**3,565**
Galvanized wire fencing	**14,099**	114	—	39	14	104	46	42	88	21	1,099	34	**1,601**
Bale ties & baling wire	**885**	—	—	150	365	56	3	—	—	—	—	117	**691**
Black plate	**241,375**	—	35,260	885	47,918	6,651	—	1,071	—	15,477	49	6	**107,317**
Tin plate	**398,564**	302	7,020	481	28,609	15,610	—	146	513	8,585	5,737	136	**67,139**
Tin free steel	**145,606**	—	1,706	7	7,137	2,826	—	17	3	—	—	—	**11,696**
Sheets—Hot rolled	**2,785,583**	50	131,809	8,666	149,978	15,684	195	25,503	2,382	21,356	26,250	6,845	**388,718**
—Cold rolled	**2,701,645**	6,245	179,684	68,834	219,360	34,739	1,815	40,117	24,037	62,934	6,715	11,441	**655,921**
Sheets galvanized	**2,465,419**	—	74,907	21,047	217,861	19,768	15,105	22,621	11,488	66,356	66,181	49,088	**564,422**
All other metallic coated	**204,250**	69	939	3,645	18,018	978	113	960	1,188	3,439	214	21	**29,584**
Electric sheets & strip	**118,834**	—	14,434	47	7,731	5,572	225	64	7	14,331	500	113	**43,024**
Strip—Hot rolled	**62,154**	47	2,050	542	5,668	289	—	587	—	507	2,612	81	**12,383**
—Cold rolled	**265,296**	1,707	52,554	20,395	8,752	3,940	466	1,586	2,874	2,095	857	5,458	**100,684**
Total Steel Mill Products	**24,255,651**	31,893	1,020,813	423,569	1,225,943	447,004	116,361	251,666	122,196	468,669	411,068	157,724	**4,676,909**
Carbon	**22,863,841**	19,840	982,160	352,020	1,151,858	368,880	105,377	243,221	106,752	428,886	382,963	157,307	**4,299,264**
Alloy	**1,120,731**	3,891	32,418	25,395	40,594	64,021	7,255	7,458	14,350	32,829	26,882	333	**255,426**
Stainless	**271,079**	8,162	6,233	46,155	33,491	14,100	3,729	986	1,093	6,953	1,223	84	**122,209**

Table 24 *(continued)*

Imports of Iron and Steel Products by Customs District—1985

(Net tons)

Products	GULF COAST-MEXICAN BORDER							
	Mobile	New Orleans	Port Arthur	Houston	Dallas	Laredo	El Paso Nogales	Total
Steel Mill Products								
Ingots, blooms, billets, slabs, etc	18,786	173,576	5,429	16,477	1,206	3,868	3	**219,345**
Wire rods	19,127	113,555	—	110,128	5,859	75	—	**248,744**
Structural shapes-plain 3" & over	55,405	145,400	—	303,685	1,442	14,529	56	**520,517**
Steel piling	4,676	13,792	—	20,681	—	—	5	**39,154**
Plates	31,128	142,898	—	247,021	870	15,406	—	**437,323**
Rails standard	55,720	5,759	—	3,836	—	—	—	**65,315**
Rails other	12,945	7,298	—	758	2	—	—	**21,003**
Joint bars and tie plates	26,421	5,180	—	10,206	—	—	—	**41,807**
Track spikes	—	31	—	—	—	—	—	**31**
Wheels and axles	1,299	658	—	4,191	—	—	3	**6,151**
Bars—Hot rolled	5,871	50,859	191	19,188	180	1,394	89	**77,772**
Bars shapes under 3 inches	1,590	4,790	—	5,674	—	270	34	**12,358**
Concrete reinforcing bars	336	8,005	—	111,994	3	2,600	232	**123,170**
Bars—Cold finished	2,016	11,094	103	36,860	134	1,339	—	**51,551**
Tool steel	225	1,123	—	935	2	59	—	**2,344**
Standard pipe	10,437	92,047	—	141,324	—	32,227	730	**276,765**
Oil country goods	13,891	72,391	—	996,865	4,104	6,061	17	**1,093,329**
Line pipe	4,011	114,902	—	484,718	1,213	32,115	224	**637,183**
Mechanical tubing	121	24,795	—	68,541	552	4,470	—	**92,479**
Pressure tubing	17	10,833	—	12,136	22	1	—	**23,009**
Stainless pipe & tubing	177	1,286	—	10,246	—	459	—	**12,168**
Pipe & tubing nonclassified	—	1,206	—	9,733	3	2,187	—	**13,129**
Structural pipe & tube, sq. & rect	3,018	34,965	—	100,216	—	9,485	—	**147,684**
Wire drawn	2,280	50,925	—	25,888	592	565	1,228	**81,478**
Wire nails	218	25,797	—	30,452	633	1,371	25	**58,496**
Barbed wire	223	2,630	—	2,623	—	1,895	25	**7,396**
Galvanized wire fencing	42	81	—	46	—	6,568	390	**7,127**
Bale ties & baling wire	—	40	—	—	—	—	—	**40**
Black plate	3,838	21,286	—	7,576	—	—	5	**32,705**
Tin plate	8,848	45,373	—	8,874	—	—	—	**63,095**
Tin free steel	—	13,796	—	3,913	—	—	—	**17,709**
Sheets—Hot rolled	28,612	171,092	—	371,290	—	4,996	—	**575,990**
—Cold rolled	17,971	315,106	—	172,186	78	9,718	384	**515,443**
Sheets galvanized	8,116	300,412	—	308,855	—	37,350	694	**655,427**
All other metallic coated	1,924	57,387	—	17,594	27	95	—	**77,027**
Electric sheets & strip	—	21,672	—	356	—	—	—	**22,028**
Strip—Hot rolled	2,632	10,744	—	5,217	25	2,880	—	**21,498**
—Cold rolled	1,391	31,527	—	16,015	19	1,573	13	**50,538**
Total Steel Mill Products	**343,312**	**2,104,308**	**5,728**	**3,686,303**	**16,966**	**193,555**	**4,156**	**6,354,328**
Carbon	331,408	1,981,813	299	3,508,952	16,626	188,247	4,139	**6,031,484**
Alloy	10,355	109,798	5,429	150,729	305	1,492	3	**278,111**
	1,549	12,697	—	26,622	34	3,816	13	**44,731**

Table 24 *(continued)*

Imports of Iron and Steel Products by Customs District—1985

(Net Tons)

Products	PACIFIC COAST						OFF SHORE				
	San Diego	Los Angeles	San Francisco	Columbia-Snake	Seattle	Total	Virgin Islands	Anch-orage	Hono-lulu	San Juan	Total
Steel Mill Products											
Ingots, blooms, billets, slabs, etc	—	836,847	976	14,307	735	**852,865**	—	—	233	—	**233**
Wire rods	—	236,859	65,849	855	45,700	**349,263**	—	—	—	6,618	**6,618**
Structural shapes-plain 3" & over	3,188	344,142	175,441	60,936	20,968	**604,675**	8	1,448	1,338	11,565	**14,359**
Steel piling	—	1,581	4,676	3,063	5,606	**14,926**	—	—	—	354	**354**
Plates	—	107,564	34,721	34,254	29,077	**205,616**	—	293	349	5,837	**6,479**
Rails standard	—	17,176	900	19,591	21,894	**59,561**	—	—	—	—	**—**
Rails other	—	2,209	1,464	397	200	**4,270**	—	—	—	—	**—**
Joint bars and tie plates	—	17,707	1,441	22,916	11,156	**53,220**	—	—	—	—	**—**
Track spikes	—	—	—	—	4	**4**	—	—	—	—	**—**
Wheels and axles	9	191	780	154	7,954	**9,088**	—	—	—	3	**3**
Bars—Hot rolled	1,642	39,511	8,850	3,787	2,045	**55,835**	25	195	463	20,478	**21,161**
Bars shapes under 3 inches	—	36,214	5,374	2,537	1,780	**45,905**	—	—	153	4,492	**4,645**
Concrete reinforcing bars	—	46,566	19,143	932	1,056	**67,697**	371	299	5,846	118,416	**124,932**
Bars—Cold finished	—	48,185	4,883	6,028	4,271	**63,367**	—	16	—	385	**401**
Tool steel	—	2,897	86	200	369	**3,552**	—	—	—	—	**—**
Standard pipe	—	225,288	47,887	17,634	23,147	**313,956**	7	635	1,696	9,979	**12,317**
Oil country goods	8,902	94,229	5,459	6,363	9,630	**124,583**	—	69,707	194	570	**70,471**
Line pipe	—	180,156	9,370	82,709	4,811	**277,046**	5	38,052	3	2,786	**40,846**
Mechanical tubing	—	47,639	16,568	18,905	8,184	**91,296**	—	643	49	4,096	**4,788**
Pressure tubing	—	2,452	194	86	198	**2,930**	—	—	—	136	**136**
Stainless pipe & tubing	—	5,189	284	618	271	**6,362**	—	170	—	30	**200**
Pipe & tubing nonclassified	—	294	1	173	309	**777**	—	76	150	1,654	**1,880**
Structural pipe & tube, sq. & rect	—	87,188	24,634	21,646	14,111	**147,579**	—	764	409	1,779	**2,952**
Wire drawn	192	29,128	9,662	14,670	34,502	**88,154**	4	—	2,499	15,333	**17,836**
Wire nails	—	46,650	32,076	2,062	25,755	**106,543**	5	98	740	1,919	**2,762**
Barbed wire	—	505	1,448	474	270	**2,697**	—	—	128	1,468	**1,596**
Galvanized wire fencing	—	—	9	31	411	**451**	—	—	135	93	**228**
Bale ties & baling wire	—	46	—	61	—	**107**	—	—	—	41	**41**
Black plate	—	25,041	6,436	—	—	**31,477**	—	—	—	115	**115**
Tin plate	—	34,647	111,187	74	29	**145,937**	—	—	20,284	19,045	**39,329**
Tin free steel	10	36,903	29,927	1,185	—	**68,025**	—	—	—	3,901	**3,901**
Sheets—Hot rolled	—	469,630	69,057	36,294	17,589	**592,570**	—	1,499	242	4,704	**6,445**
—Cold rolled	—	428,205	108,866	5,879	10,902	**553,852**	—	—	—	7,668	**7,668**
Sheets galvanized	—	294,075	85,467	46,849	50,804	**477,195**	—	1,119	3,015	15,066	**19,200**
All other metallic coated	—	26,095	13,740	1,039	5,709	**46,583**	19	—	732	4,071	**4,822**
Electric sheets & strip	—	7,403	1,024	—	90	**8,517**	—	—	—	12	**12**
Strip—Hot rolled	21	8,135	640	942	617	**10,355**	—	—	26	26	**52**
—Cold rolled	30	12,191	7,391	2,030	3,167	**24,809**	—	—	73	2,035	**2,108**
Total Steel Mill Products	**13,993**	**3,798,737**	**905,911**	**429,682**	**363,322**	**5,511,645**	**443**	**115,013**	**38,758**	**264,675**	**418,890**
Carbon	13,987	3,698,557	891,663	412,729	350,513	**5,367,449**	328	106,227	38,639	261,626	**406,820**
Alloy	—	62,309	10,113	14,641	9,315	**96,378**	114	8,617	118	1,271	**10,120**
Stainless	6	37,871	4,136	2,313	3,494	**47,820**	—	170	1	1,778	**1,949**

Table 24 *(continued)*

Imports of Iron and Steel Products by Customs District—1985

(Net Tons)

Products	GREAT LAKES-CANADIAN BORDER												
	Portland	St. Albans	Ogdensburg	Buffalo	Great Falls	Pembina	Duluth Mineapls	Milwaukee	Detroit	Chicago	Cleveland	St. Louis	Total
Steel Mill Products													
Ingots, blooms, billets, slabs, etc	—	69	965	12,815	—	—	—	6,497	297,342	51,833	610,314	—	**979,835**
Wire rods	5	13,305	100,861	114,895	—	—	18	1,109	189,851	47,095	115,035	23	**582,197**
Structural shapes-plain 3" & over	644	26,202	14,052	115,967	153	20,098	400	6,797	142,567	63,210	38,819	1,752	**430,661**
Steel piling	41	776	4,908	1,160	—	18	—	2,329	8,697	10,214	1,307	—	**29,450**
Plates	147	5,123	3,983	33,693	20	780	4,136	3,978	209,646	110,316	77,507	567	**449,896**
Rails standard	744	3,135	13,649	7,892	5	1,468	—	—	7,031	855	762	—	**35,541**
Rails other	—	—	1	7,050	223	38	—	—	6,112	1,376	2,561	—	**17,361**
Joint bars and tie plates	25	642	34	207	7	5	53	—	456	31	36	—	**1,496**
Track spikes	34	173	3	—	—	—	3	—	3	—	—	—	**216**
Wheels and axles	13	31	277	62	3	139	1	34	257	208	2,096	—	**3,121**
Bars—Hot rolled	121	6,084	8,847	48,744	2,810	29,357	18	36	217,071	39,459	62,099	1,358	**416,004**
Bars shapes under 3 inches	170	1,311	405	22,946	1	28	24	7	24,064	3,271	1,379	—	**53,606**
Concrete reinforcing bars	17	889	244	18,961	—	4	—	—	394	187	—	—	**20,696**
Bars—Cold finished	—	1,223	2,365	20,752	—	4	1,386	105	33,779	39,105	8,659	20	**107,398**
Tool steel	—	23	1,403	1,178	—	132	3	71	3,474	2,030	370	—	**8,684**
Standard pipe	16	4,331	8,297	6,846	540	864	—	369	11,045	18,588	3,731	51	**54,678**
Oil country goods	267	327	755	36,734	33,350	2,424	71	154	75,007	2,300	8,126	19	**159,534**
Line pipe	25	31	174	344	3,574	192	133	—	34,305	2,577	1,599	748	**43,702**
Mechanical tubing	39	1,892	5,452	18,860	1,393	892	202	463	43,062	8,478	1,496	11	**82,240**
Pressure tubing	432	15	75	91	154	7	—	—	71	489	101	968	**2,403**
Stainless pipe & tubing	3	363	385	411	9	—	—	—	543	1,062	44	—	**2,820**
Pipe & tubing nonclassified	11	29	226	497	1,348	208	—	—	15,249	573	220	—	**18,361**
Structural pipe & tube, sq. & rect	84	6,050	4,506	28,774	4,494	1,406	270	377	62,247	105	56	—	**108,369**
Wire drawn	2,905	27,895	33,427	51,466	25	67	1,641	1,212	67,957	58,046	15,537	1,450	**261,628**
Wire nails	3,556	13,532	19,534	9,937	3	—	473	67	19,105	17,154	2,353	79	**85,793**
Barbed wire	—	—	11	11	—	—	—	—	3	17	38	—	**80**
Galvanized wire fencing	25	—	3,397	355	—	—	—	33	817	25	41	—	**4,693**
Bale ties & baling wire	—	—	—	—	—	—	—	—	6	—	—	—	**6**
Black plate	—	—	—	2,919	—	—	—	—	10,786	37,050	19,005	—	**69,760**
Tin plate	—	—	49	24,840	—	—	—	—	14,574	28,951	14,650	—	**83,064**
Tin free steel	—	17	9	2,479	—	—	—	—	1,049	37,423	3,298	—	**44,275**
Sheets—Hot rolled	18	4,521	4,130	56,665	211	2,902	18,620	12,257	498,976	280,150	334,690	8,719	**1,221,859**
—Cold rolled	—	8,021	4,360	63,746	—	2	26,913	5,251	288,319	424,804	137,085	10,264	**968,765**
Sheets galvanized	162	376	331	61,110	—	89	8,051	288	466,319	133,253	77,858	1,337	**749,174**
All other metallic coated	1	321	5,878	20	20	105	812	—	9,393	18,681	10,859	145	**46,235**
Electric sheets & strip	—	3	207	3,572	—	—	21	1	8,288	27,482	4,811	867	**45,252**
Strip—Hot rolled	5	441	1,259	2,814	71	—	—	58	3,143	9,591	485	—	**17,867**
—Cold rolled	—	191	1,427	20,781	28	—	56	29	24,530	25,283	14,720	113	**87,158**
Total Steel Mill Products	**9,509**	**127,346**	**245,888**	**799,594**	**48,441**	**61,228**	**63,306**	**41,523**	**2,795,536**	**1,501,271**	**1,571,750**	**28,493**	**7,293,878**
Carbon	9,307	126,274	238,320	750,817	44,969	59,435	62,904	30,648	2,610,862	1,365,623	1,432,312	27,351	**6,758,822**
Alloy	198	573	5,385	45,191	3,437	1,774	210	8,857	177,310	99,147	137,700	911	**480,693**
Stainless	3	499	2,183	3,585	35	19	192	2,018	7,364	36,501	1,739	230	**54,368**

Table 24A

Imports of Iron and Steel Products by Customs District—1985

(Net tons)

Products	Grand Total	ATLANTIC COAST											
		Boston	Providnce Brdgport	New York City	Phila.	Baltimore/ Wash., DC	Norfolk	Wil- mington	Charles- ton	Savannah	Tampa	Miami	Total
Other Steel Products													
Struct shapes, fabricated	**354,011**	500	3,179	6,959	404	2,532	1,378	5,838	292	10,977	14,092	1,084	**47,235**
Shapes—Cold formed	**1,951**	102	—	69	—	18	—	2	24	8	—	—	**223**
Sashes and frames	**3,085**	1	—	92	1	13	19	—	—	4	26	45	**201**
Fence or sign posts	**8,731**	39	—	19	25	—	—	—	—	—	—	—	**83**
Wire—nonmetallic covered	**1,479**	25	—	589	6	102	27	1	1	1	3	27	**782**
Wire rope	**156,473**	2,577	—	7,059	1,516	5,621	12,021	4,873	11,526	8,656	2,557	589	**56,995**
Wire strand	**176,376**	1,329	739	18,812	3,682	14,413	1,460	518	12,099	8,409	3,909	6,522	**71,892**
Welded wire fabric	**40,276**	130	—	3,742	95	227	285	560	186	437	1,432	941	**8,035**
Other nails and staples	**41,553**	1,066	303	2,537	612	630	534	3,193	1,453	2,593	2,806	379	**16,106**
Bale ties—Strip	**743**	—	—	—	—	—	—	—	—	—	20	15	**35**
Bolts, nuts and rivets	**626,799**	12,993	1,539	78,893	15,287	42,516	7,659	5,181	4,720	23,987	6,438	4,664	**203,877**
Grinding balls	**3,559**	—	—	42	42	33	—	—	—	—	—	1	**118**
Blanks, nonrectangular flat rolled	**36,156**	140	1	4,183	495	479	36	—	1	39	56	—	**5,430**
Rigid conduit	**21,258**	—	991	436	3,777	1,359	—	—	—	—	—	1	**6,564**
Pipe and tube fittings	**129,331**	2,394	1	6,422	1,415	1,539	1,284	362	261	5,129	4,571	396	**23,774**
Total Other Steel Products	**1,601,783**	**21,296**	**6,753**	**129,854**	**27,357**	**69,482**	**24,703**	**20,528**	**30,563**	**60,240**	**35,910**	**14,664**	**441,350**
Total Steel Products	**25,857,434**	**53,189**	**1,027,566**	**553,423**	**1,253,300**	**516,486**	**141,064**	**272,194**	**152,759**	**528,909**	**446,978**	**172,388**	**5,118,259**
Iron Products & Ferroalloys													
Bar iron, iron slabs & blooms, etc	**231**	—	—	1	21	—	—	—	—	—	—	—	**22**
Cast iron soil and pipe and fittings	**4,164**	8	698	—	—	—	569	—	—	1,380	310	86	**3,051**
Other cast iron pipe and fittings	**38,663**	1,364	—	1,277	6,822	145	817	42	70	1,794	228	140	**12,699**
Malleable cast iron pipe fittings	**24,293**	225	—	4,051	838	1,804	48	7	—	1,015	1,521	737	**10,246**
Castings and forgings	**209,302**	2,867	574	26,804	5,818	16,462	9,604	3,498	1,810	6,775	1,987	1,879	**78,078**
Pig iron	**338,260**	—	—	—	31,441	—	—	—	—	10,681	—	—	**42,122**
Sponge iron	**103,534**	113	—	455	6,437	1,146	—	—	21	13	2	7	**8,194**
Ferromanganese (manganese content)	**361,884**	—	2,888	—	11,200	27,875	—	—	9,531	—	—	—	**51,494**
Ferrosilicon (silicon content)	**152,436**	—	—	165	2,973	10,943	77	710	593	99	29	18	**15,607**
Ferrochromium (chromium content)	**331,013**	—	21,517	19	4,531	40,986	—	—	—	—	—	—	**67,053**
Other Ferroalloys	**211,347**	—	—	404	6,123	51,116	19	—	5,167	—	1,323	—	**64,152**
Total Iron Products & Ferroalloys	**1,775,108**	**4,577**	**25,677**	**33,176**	**76,204**	**150,477**	**11,134**	**4,257**	**17,192**	**21,757**	**5,400**	**2,867**	**352,718**
Grand Total	**27,632,542**	**57,766**	**1,053,243**	**586,599**	**1,329,504**	**666,963**	**152,198**	**276,451**	**169,951**	**550,666**	**452,378**	**175,255**	**5,470,977**
Iron and steel scrap	**611,358**	3	—	175	8,055	121	54	—	108	62	40	1,131	**9,749**

Table 24A *(continued)*

Imports of Iron and Steel Products by Customs District—1985

(Net tons)

Products	GULF COAST-MEXICAN BORDER							
	Mobile	New Orleans	Port Arthur	Houston	Dallas	Laredo	El Paso Nogales	Total
Other Steel Products								
Structural shapes, fabricated	1,945	3,618	—	16,415	24	2,745	414	**25,161**
Shapes—Cold formed	—	20	—	117	—	—	—	**137**
Sashes and frames	2	2	—	10	—	14	—	**28**
Fence or sign posts	—	—	—	177	38	6,703	—	**5,918**
Wire—nonmetallic covered	14	80	—	71	1	—	—	**156**
Wire rope	4,322	31,713	145	24,377	11	951	—	**61,519**
Wire strand	7,071	9,140	—	41,434	1	108	2	**57,756**
Welded wire fabric	13	127	—	8,976	—	3,015	119	**12,250**
Other nails and staples	292	3,856	—	2,566	263	19	7	**7,003**
Bale ties—Strip	—	—	—	—	—	—	—	**—**
Bolts, nuts and rivets	8,485	13,498	—	32,733	3,281	1,395	73	**59,465**
Grinding balls	—	—	—	—	—	—	—	**0**
Blanks, nonrectangular flat rolled	2,165	9,902	—	8,806	1	156	—	**21,030**
Rigid conduit	11,531	37	—	170	—	—	—	**11,738**
Pipe and tube fittings	2,002	7,729	—	40,856	891	268	1	**51,747**
Total Other Steel Products	**37,842**	**79,722**	**145**	**176,708**	**4,511**	**15,374**	**616**	**314,918**
Total Steel Products	**381,154**	**2,184,030**	**5,873**	**3,863,011**	**21,477**	**208,929**	**4,772**	**6,669,246**
Iron Products & Ferroalloys								
Bar iron, iron slabs & blooms, etc	—	—	—	89	—	—	—	**89**
Cast iron soil pipe and fittings	—	551	—	22	—	—	32	**605**
Other cast iron pipe and fittings	34	140	—	840	105	—	25	**1,144**
Malleable cast iron pipe fittings	—	444	—	2,346	363	22	—	**3,175**
Castings and forgings	1,254	10,220	20	40,247	315	1,335	3,634	**57,025**
Pig iron	1,598	110,328	—	18,919	—	5,897	—	**136,742**
Sponge iron	40	16	—	1	—	7	—	**54**
Ferromanganese (manganese content)	30,295	203,577	—	1,116	—	—	122	**235,110**
Ferrosilicon (silicon content)	3,595	95,235	—	2,201	—	—	—	**101,031**
Ferrochromium (chromium content)	19	261,323	—	403	—	—	—	**261,745**
Other Ferroalloys	11,205	103,616	—	7,533	—	—	—	**122,354**
Total Iron Products & Ferroalloys	**48,040**	**785,450**	**20**	**73,717**	**783**	**7,261**	**3,813**	**919,084**
Grand Total	**429,194**	**2,969,480**	**5,893**	**3,936,728**	**22,260**	**216,190**	**8,585**	**7,588,330**
Iron and steel scrap	—	5,892	103	721	—	15,049	9,880	**31,645**

Table 24A *(continued)*

Imports of Iron and Steel Products by Customs District—1985

(Net Tons)

Products	PACIFIC COAST						OFF SHORE				
	San Diego	Los Angeles	San Francisco	Columbia-Snake	Seattle	Total	Virgin Islands	Anch-orage	Hono-lulu	San Juan	Total
Other Steel Products											
Structural shapes, fabricated	803	64,779	21,861	17,848	29,420	**134,711**		18,335	1,383	960	**20,678**
Shapes—Cold formed	—	—	—	—	68	**68**	—	—	—	21	**21**
Sashes and frames	21	16	121	2	372	**532**	1	—	—	—	**1**
Fence or sign posts	1,315	269	24	—	3	**1,611**	3	—	4	69	**76**
Wire—nonmetallic covered	2	284	10	—	17	**313**	—	—	2	—	**2**
Wire rope	329	9,737	3,589	4,986	9,796	**28,437**	—	76	186	215	**477**
Wire strand	336	15,642	9,130	1,796	5,816	**32,720**	—	9	552	1,081	**1,642**
Welded wire fabric	632	1,579	403	31	4,574	**7,219**	4	—	117	1,323	**1,444**
Other nails and staples	181	9,731	2,309	335	943	**13,499**	—	—	26	267	**293**
Bale ties—Strip	—	639	—	—	—	**639**	—	—	—	69	**69**
Bolts, nuts and rivets	636	148,141	9,926	16,835	54,450	**229,988**	—	25	80	835	**940**
Grinding balls	—	404	—	—	5	**409**	—	—	—	70	**70**
Blanks, nonrectangular flat rolled	23	692	1,847	—	22	**2,584**	29	—	—	624	**653**
Rigid conduit	167	1,044	10	—	9	**1,230**	—	—	—	465	**465**
Pipe and tube fittings	—	17,585	2,201	4,413	5,110	**29,309**	—	263	78	95	**436**
Total Other Steel Products	**4,445**	**270,542**	**51,431**	**46,246**	**110,605**	**483,269**	**37**	**18,708**	**2,428**	**6,094**	**27,267**
Total Steel Products	**18,438**	**4,069,279**	**957,342**	**475,928**	**473,927**	**5,994,914**	**480**	**133,721**	**41,186**	**270,769**	**446,157**
Iron Products & Ferroalloys											
Bar iron, iron slabs & blooms, etc	—	—	—	—	—	**—**	—	—	—	—	**—**
Cast iron soil pipe and fittings	2	230	39	24	—	**295**	—	—	—	—	**—**
Other cast iron pipe and fittings	383	3,747	387	137	351	**5,005**	—	—	7	11	**18**
Malleable cast iron pipe fittings	—	7,413	334	285	306	**8,338**	—	—	—	198	**198**
Castings and forgings	3,282	10,871	7,365	776	5,671	**27,965**	—	—	4	420	**424**
Pig iron	—	7,645	1,736	—	4,594	**13,975**	—	—	—	—	**—**
Sponge iron	—	487	7	—	12	**506**	—	—	—	—	**—**
Ferromanganes (manganese content)	—	12,125	—	5,018	—	**17,143**	—	—	—	—	**—**
Ferrosilicon (silicon content)	—	575	310	301	218	**1,404**	—	—	—	—	**—**
Ferrochromium (chromium content)	—	883	—	77	—	**960**	—	—	—	—	**—**
Other Ferroalloys	—	12,102	19	8,207	298	**20,626**	—	—	—	—	**—**
Total Iron Products & Ferroalloys	**3,667**	**56,078**	**10,197**	**14,825**	**11,450**	**96,217**	**—**	**—**	**11**	**629**	**640**
Grand Total	**22,105**	**4,125,357**	**967,539**	**490,753**	**485,377**	**6,091,131**	**480**	**133,721**	**41,197**	**271,398**	**446,797**
Iron and steel scrap	6,399	1,047	—	—	133,553	**140,999**	—	—	—	—	**—**

Table 24A *(continued)*

Imports of Iron and Steel Products by Customs District—1985

(Net Tons)

Products	GREAT LAKES-CANADIAN BORDER												
	Portland	St. Albans	Ogdensburg	Buffalo	Great Falls	Pembina	Duluth Mineapls	Milwaukee	Detroit	Chicago	Cleveland	St. Louis	Total
Other Steel Products													
Structural shapes, fabricated	21,450	4,074	10,598	64,229	5,358	447	375	—	12,354	570	6,545	227	**126,227**
Shapes—Cold formed	—	—	466	450	—	—	—	—	586	—	—	—	**1,502**
Sashes and frames	—	54	50	1,119	50	49	38	1	823	137	3	—	**2,324**
Fence or sign posts	1	—	—	24	1	—	12	—	—	4	—	—	**42**
Wire—nonmetallic covered	2	—	103	1	—	—	6	—	83	17	1	3	**216**
Wire rope	14	105	652	879	255	27	11	9	1,573	5,195	16	307	**9,043**
Wire strand	2	91	756	383	28	28	265	—	579	9,891	307	37	**12,367**
Welded wire fabric	60	4,613	1,103	3,283	21	—	9	1	1,748	170	316	3	**11,327**
Other nails and staples	132	20	829	899	7	—	66	63	318	1,875	98	348	**4,655**
Bale ties—Strip	—	—	—	—	—	—	—	—	—	—	—	—	**—**
Bolts, nuts and rivets	88	2,437	17,253	13,285	362	199	1,127	548	34,946	53,548	6,394	2,339	**132,526**
Grinding balls	—	—	40	1,745	—	—	—	—	1,118	60	—	—	**2,963**
Blanks, nonrectangular flat rolled	9	69	88	330	—	—	—	—	1,812	1,923	2,231	—	**6,462**
Rigid conduit	—	7	—	23	1	—	—	—	1	1,227	2	—	**1,261**
Pipe and tube fittings	19	119	624	638	290	39	249	20	2,350	19,102	489	122	**24,061**
Total Other Steel Products	**21,777**	**11,589**	**32,562**	**87,288**	**6,373**	**789**	**2,158**	**642**	**58,291**	**93,719**	**16,402**	**3,386**	**334,976**
Total Steel Products	**31,286**	**138,935**	**278,450**	**886,882**	**54,814**	**62,017**	**65,464**	**42,165**	**2,853,827**	**1,594,990**	**1,588,152**	**31,879**	**7,628,854**
Iron Products & Ferroalloys													
Bar iron, iron slabs & blooms, etc	—	—	16	—	—	—	—	—	—	105	—	—	**121**
Cast iron soil pipe and fittings	—	—	61	68	—	—	—	—	85	—	—	—	**214**
Other cast iron pipe and fittings	—	25	246	312	6	1	22	—	560	158	18,470	—	**19,800**
Malleable cast iron pipe fittings	—	—	—	305	148	—	—	—	47	1,300	413	122	**2,335**
Castings and forgings	102	3,464	6,058	7,624	1,577	1	230	142	6,872	17,827	1,618	293	**45,808**
Pig iron	—	1,208	1,567	606	—	—	—	55,050	12,130	31,211	43,649	—	**145,421**
Sponge iron	—	1,264	6,455	12,740	2	—	3	2	18,858	32,657	22,789	—	**94,770**
Ferromanganese (manganese content)	—	23	411	7,371	—	—	—	—	16,946	22,495	10,891	—	**58,137**
Ferrosilicon (silicon content)	—	—	682	16,479	—	992	—	62	9,978	1,780	4,425	—	**34,398**
Ferrochromium (chromium content)	—	—	—	382	—	—	—	—	567	305	—	—	**1,254**
Other Ferroalloys	—	—	442	2,279	—	—	—	7	910	422	137	—	**4,197**
Total Iron Products & Ferroalloys	**102**	**5,984**	**15,938**	**48,166**	**1,733**	**994**	**255**	**55,263**	**66,953**	**108,260**	**102,392**	**415**	**406,455**
Grand Total	**31,388**	**144,919**	**294,388**	**935,048**	**56,547**	**63,011**	**65,719**	**97,428**	**2,920,780**	**1,703,250**	**1,690,544**	**32,294**	**8,035,309**
Iron and steel scrap	1,669	422	8,863	42,446	355	95	35	—	341,829	32,826	424	—	**428,964**

RAW STEEL PRODUCTION

Raw steel is defined as steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for foundry castings and strand or pressure cast blooms, billets, slabs, or other product forms.

Raw steel production capability is defined as the tonnage capability to produce raw steel for a sustained full order book.

Table 25

Raw Steel Production by Type of Furnace, Grade and Cast

(Thousands of net tons)

	Open Hearth			Basic Oxygen Process			Electric			
Year	Carbon	Alloy	Total	Carbon	Alloy	Total	Carbon	Alloy	Stainless	Total
1985	6,005	423	6,428	47,688	4,197	51,885	23,006	5,257	1,683	29,946
1984	7,928	408	8,336	48,399	4,423	52,822	23,591	6,006	1,772	31,369
1983	5,703	248	5,951	48,115	3,934	52,050	19,965	4,900	1,750	26,615
1982	5,642	468	6,110	41,214	4,095	45,309	17,287	4,635	1,235	23,158
1981	12,195	1,257	13,452	65,701	7,530	73,231	23,566	8,836	1,743	34,145
1980	11,844	1,210	13,054	60,532	7,083	67,615	22,313	7,152	1,701	31,166
1979	17,200	1,958	19,158	75,334	7,922	83,256	23,692	8,128	2,107	33,927
1978	19,026	2,284	21,310	75,053	8,431	83,484	22,837	7,446	1,954	32,237
1977	18,045	1,998	20,043	70,551	6,857	77,408	19,534	6,486	1,862	27,882
1976	21,426	2,044	23,470	73,588	6,330	79,918	16,994	5,934	1,684	24,612

Table 25 *(continued)*

Raw Steel Production by Type of Furnace, Grade and Cast

(Thousands of net tons)

	Total All Grades				Per Cent of Total						Production by Type of Cast		
					By Grade			By Type of Furnace			(Thousands of net tons)		
	Carbon	Alloy	Stainless	Total	Carbon	Alloy	Stain-less	OH	BOP	Elec-tric	Ingots	Cont. Cast	Steel Cast
1985	76,699	9,877	1,683	88,259	86.9	11.2	1.9	7.3	58.8	33.9	49,035	39,161	63
1984	79,918	10,838	1,772	92,528	86.4	11.7	1.9	9.0	57.1	33.9	55,787	36,669	74
1983	73,783	9,082	1,750	84,615	87.2	10.7	2.1	7.0	61.5	31.5	57,385	27,174	56
1982	64,143	9,198	1,235	74,577	86.0	12.3	1.7	8.2	60.7	31.1	52,875	21,628	74
1981	101,462	17,623	1,743	120,828	84.0	14.6	1.4	11.1	60.6	28.3	94,516	26,138	173
1980	94,689	15,445	1,701	111,835	84.7	13.8	1.5	11.7	60.4	27.9	88,937	22,720	178
1979	116,226	18,008	2,107	136,341	85.3	13.2	1.5	14.0	61.1	24.9	113,084	23,043	215
1978	116,916	18,161	1,954	137,031	85.3	13.3	1.4	15.6	60.9	23.5	115,984	20,837	210
1977	108,130	15,341	1,862	125,333	86.3	12.2	1.5	16.0	61.8	22.2	109,416	15,728	188
1976	112,008	14,308	1,684	128,000	87.5	11.2	1.3	18.3	62.5	19.2	114,268	13,529	203

Table 26

Raw Steel Production by States

(Thousands of net tons)

State	1985	1984	1983	1982	1981
New York	456	515	1,305	1,419	3,147
Pennsylvania	12,034	14,372	13,000	10,905	24,066
R.I., Conn., N.J., Del., Md.	4,610	5,134	3,985	4,063	5,777
Va., W. Va., Ga., Fla., N.C., S.C., La.	6,301	6,320	5,277	4,921	6,497
Kentucky	2,297	2,332	1,841	1,422	2,397
Ala., Tenn., Miss., Ark.	3,734	2,582	1,470	1,506	3,585
Ohio	14,094	15,438	14,586	12,181	18,096
Indiana	19,687	19,793	20,202	16,499	22,652
Illinois	6,479	6,504	5,410	5,091	9,105
Michigan	7,297	7,754	7,262	6,075	8,943
Texas	4,656	4,790	3,846	4,822	+
Minn., Mo., Okla., Nebr., Iowa	2,104	2,416	2,137	1,321	9,068
Ariz., Col., Utah, Wash., Ore., Ca., Hawaii	4,510	4,578	4,293	4,352	7,495
Total	**88,259**	**92,528**	**84,615**	**74,577**	**120,828**

+ Included with Minn., Mo., Okla., Nebr., Iowa.

Table 27

Monthly and Quarterly Raw Steel Production and Capability Utilization

(Thousands of net tons)

Periods	1985		1984		1983		1982		1981	
	Net Tons	Capability Utilization* %	Net Tons	Capability Utilization* %	Net Tons	Capability Utilization* %	Net Tons	Capability Utilization* %	Net Tons	Capability Utilization* %
January	6,984	60.9	7,970	69.6	5,570	43.4	7,737	59.3	10,590	79.9
February	6,851	66.1	8,142	76.0	5,676	49.0	7,178	60.9	10,028	83.7
March	8,269	72.1	9,056	79.1	7,127	55.5	8,049	61.7	11,745	88.6
1st Quarter	22,083	66.3	25,057	74.6	18,382	49.3	22,970	60.7	32,363	84.1
April	7,872	71.6	8,997	80.8	7,292	58.9	7,006	55.2	11,243	87.7
May	7,830	68.9	9,174	79.8	7,412	57.9	6,678	50.9	11,423	86.2
June	7,292	66.3	7,945	71.4	6,993	56.5	6,050	47.7	10,452	81.5
2nd Quarter	22,993	68.9	26,116	77.4	21,726	57.8	19,711	51.2	33,068	85.0
First 6 months	45,110	67.7	51,354	76.2	40,109	53.6	42,681	55.9	65,431	84.5
July	7,010	62.1	7,460	65.3	6,921	54.3	5,719	43.8	10,160	77.6
August	7,130	63.2	6,915	60.5	7,020	55.1	5,538	42.4	10,120	77.3
September	6,924	63.4	6,378	57.7	7,134	57.8	5,299	41.9	9,618	75.9
3rd Quarter	21,064	62.9	20,752	61.2	21,076	55.7	16,555	42.7	29,898	76.9
9 months	66,164	66.1	72,054	71.1	61,386	54.5	58,367	50.7	95,329	82.0
October	7,351	65.2	6,703	58.4	7,692	60.2	5,262	40.2	9,003	68.7
November	7,051	64.7	6,422	57.8	7,263	58.7	4,546	35.9	7,962	62.8
December	6,728	59.7	6,013	52.4	6,991	54.7	4,456	34.0	7,671	58.6
4th Quarter	21,130	63.2	19,137	56.2	21,946	57.9	14,264	36.7	24,636	63.4
Second 6 Months	42,193	63.0	39,890	58.7	43,022	56.8	30,820	39.7	54,534	70.2
Year †	**88,259**	**66.1**	**92,528**	**68.4**	**84,615**	**56.2**	**74,577**	**48.4**	**120,828**	**78.3**

*Raw steel production capability varies in each calendar quarter and aggregated 154.3, 154.0, 150.6, 135.3, and 133.6 million net tons for the full years 1981, 1982, 1983, 1984 and 1985 respectively.

†Revised totals include adjustments not shown in monthly figures.

BASIC MATERIALS USED IN THE PRODUCTION OF IRON AND STEEL PRODUCTS

Table 28

Pig Iron Production, Consumption and Sales

(Thousands of Net tons)

Year	Total Blast Furnace Production	Consumption		Outside Sales
		Steelmaking	Other than Steelmaking*	
1985	50,446	49,547	619	435
1984	51,904	45,282	1,499	792
1983	48,706	45,783	868	658
1982	43,309	42,013	777	568
1981	73,570	70,858	3,055	1,228
1980	68,721	66,111	2,794	1,206
1979	87,003	83,307	3,984	1,855
1978	87,679	83,571	4,148	2,099
1977	81,328	77,141	3,711	2,106
1976	86,870	82,039	4,322	2,161

*Includes sales for use outside the steel industry

Table 29

Imports of Iron Ore By Countries of Origin

(Thousands of gross tons)

Country	1985[P]	1984	1983	1982	1981
Brazil	2,540	2,542	1,276	972	1,738
Canada	8,557	11,161	8,832	9,281	18,845
Liberia	2,128	1,745	1,732	2,399	2,160
Venezuela	2,283	1,588	1,333	1,643	5,071
Other	457	124	73	206	514
Total	**15,965**	**17,160**	**13,246**	**14,501**	**28,328**

Source: Bureau of Mines

Table 30

*Imports for Consumption of Manganese Ore by Countries of Origin (35 Percent or More Mn)**

(MN content—Net tons)

Country	1985	1984	1983	1982	1981
Austrailia	43,104	21,005	15,118	18,842	47,842
Brazil	59,816	34,748	39,112	2,962	38,909
Gabon	64,093	66,135	85,509	23,156	90,629
Mexico	23,222	16,428	25,598	1,492	25,813
Republic of South Africa	...	17,286	12,703	57,872	97,536
Other Countries	55	40	20	6,730	11
Total	**190,290**	**155,642**	**178,060**	**111,054**	**300,740**

*Comprises ore received during the year for immediate consumption plus material withdrawn from bonded warehouses; excludes imports for manufacture in bond and export.
Data may not add due to rounding.
Source: Bureau of Mines, Department of Interior.

Table 31

Consumption of Coal

(Thousands of net tons)

Year	In Production of		Other Purposes	Total
	Coke	Steam*		
1985	34,266	2,288	207	36,761
1984	35,815	2,368	212	38,395
1983	30,549	2,280	153	32,982
1982	34,130	2,297	179	36,606
1981	53,565	2,675	293	56,533

*Includes coal consumed in generating electric power.

Table 32

Consumption of Fluxes in Steelmaking

(Thousands of net tons)

Use	Fluorspar	Limestone	Lime	Other Fluxes	Total
1985					
In steelmaking furnaces:					
Open hearth	24	233	42	136	435
Basic oxygen process	126	385	3,212	421	4,144
Electric	238	142	1,357	221	1,958
Total	**388**	**760**	**4,611**	**778**	**6,537**
1984	250	920	4,158	793	6,121
1983	194	730	4,336	652	5,912
1982	268	578	4,189	520	5,555
1981	428	1,047	7,340	737	9,552

Table 33

Production, Receipts, Consumption and Shipments of Coke

(Thousands of net tons)

	1985	1984	1983	1982	1981
Production:					
Metallurgical	23,708	25,271	22,466	24,518	37,627
Other Coke	240	386	244	227	490
Total Production	23,948	25,657	22,710	24,745	38,117
Receipts, incl. imports	5,009	5,163	4,161	2,704	5,614
Total Production and Receipts	**28,957**	**30,820**	**26,871**	**27,449**	**43,731**
Consumption:					
Blast furnaces	25,624	27,394	26,268	23,322	40,451
Foundries & Other	372	192	147	122	95
Total Consumption	25,996	27,586	26,415	23,444	40,546
Shipments to outside companies	2,012	2,280	3,038	1,042	2,833
Total Consumption and Shipments	**28,008**	**29,866**	**29,453**	**24,486**	**43,379**

Table 34

Consumption of Ore and Agglomerated Products

(Thousands of net tons)

	1985	1984	1983	1982	1981
Consumed In:					
Blast Furnaces:					
Natural Ore	3,201	N.A.	N.A.	N.A.	N.A.
Pellets	56,987	58,749	54,297	47,760	80,864
Sinter, briquettes, nodules and other	17,838	18,907	18,327	17,638	27,445
Total	**78,026**	**77,656**	**72,624**	**65,398**	**108,309**
Steelmaking Furnaces—					
Natural Ore	99	N.A.	N.A.	N.A.	N.A.
Pellets	68	56	45	115	157
Sinter, briquettes, nodules and other	90	37	14	4	4
Total	**257**	**93**	**59**	**119**	**161**
Total Consumption	**78,283**	**77,749**	**72,683**	**65,517**	**108,470**

Table 35

Scrap Consumption by Grade

(Thousands of net tons)

	1985[p]	1984[r]	1983	1982	1981
Carbon steel:					
Low phosphorous plate and punching	382	324	318	263	425
Cut structurals and plate	1,468	1,375	1,433	1,328	1,385
No. 1 heavy melting steel	16,876	17,091	15,871	13,895	23,142
No. 2 heavy melting steel	3,604	2,665	2,674	2,252	3,167
No. 1 and electric furnace bundles	7,080	8,111	7,648	5,932	8,629
No. 2 and all other bundles	1,104	1,060	1,003	1,072	2,071
Turnings and borings	1,092	954	844	995	1,658
Slag scrap (Fe content)	2,820	3,276	3,072	2,913	4,455
Shredded or fragmentized	3,923	3,134	2,280	2,126	3,297
No. 1 busheling	1,596	1,408	1,299	986	1,328
All other carbon steel scrap	8,508	7,415	7,442	6,987	11,398
Total Carbon Steel	48,453	46,813	43,884	38,749	60,954
Stainless steel	1,127	1,009	973	746	872
Alloy steel (excl. stainless)	1,446	1,315	1,131	1,030	1,773
Iron scrap	1,415	1,594	1,784	1,349	3,013
Other grades or types of scrap	1,008	1,055	1,225	1,825	1,731
Total scrap	**53,449**	**51,786**	**48,996**	**43,698**	**68,343**

Source: Bureau of Mines.

Data many not add to totals due to rounding.

Table 36

Consumption of Scrap and Pig Iron By Types of Furnaces

(Thousands of net tons)

Year	Type of Furnace	Consumed			Scrap Stocks on Hand Year End
		Scrap	Pig Iron	Total	
1985	Open hearth	2,411	4,761	7,172	
	Basic oxygen process	15,353	44,396	59,749	
	Electric	32,511	125	32,636	
	Cupola	20	86	106	
	Direct castings	—	466	466	
	Blast*	2,479	—	2,479	
	Other (Incl. air furnace)	675	37	712	
	Total	**53,449**	**49,871**	**103,320**	**5,086**
1984[R]	Open hearth	3,724	5,718	9,442	
	Basic oxygen process	16,447	45,551	61,998	
	Electric	28,244	22	28,266	
	Cupola	50	120	170	
	Direct castings	—	482	482	
	Blast	2,724	—	2,724	
	Other (Incl. air furnace)	597	76	673	
	Total	**51,786**	**51,969**	**103,755**	**4,448**
1983	Open hearth	3,275	3,918	7,193	
	Basic oxygen process	16,219	44,330	60,549	
	Electric	25,786	52	25,838	
	Cupola	6	100	106	
	Direct castings	—	519	519	
	Blast	3,125	—	3,125	
	Other (Incl. air furnace)	585	72	657	
	Total	**48,996**	**48,991**	**97,987**	**4,953**
1982	Open hearth	3,554	3,632	7,186	
	Basic oxygen process	14,059	38,553	52,612	
	Electric	22,766	210	22,976	
	Cupola	37	128	165	
	Direct castings	—	647	647	
	Blast	2,648	—	2,648	
	Other (Incl. air furnace)	634	111	745	
	Total	**43,698**	**43,281**	**86,979**	**5,807**
1981	Open hearth	7,450	8,862	16,312	
	Basic oxygen process	23,278	62,162	85,440	
	Electric	32,467	260	32,727	
	Cupola	37	175	212	
	Direct castings	—	1,344	1,344	
	Blast	4,046	—	4,046	
	Other (Incl. air furnace)	1,065	208	1,273	
	Total	**68,343**	**73,011**	**141,354**	**7,130**

Source: Bureau of Mines.

Table 37

Consumption of Electric Power

(Millions of kilowatt hours)

Year	Generated	Purchased	Total
1985	8,820	44,060	52,880
1984	6,763	49,314	56,077
1983	5,922	36,473	42,395
1982	6,664	34,103	40,767
1981	8,511	48,997	57,508

Table 38

Consumption of Oxygen

(Millions of cubic feet in gaseous form)

	1985	1984	1983	1982	1981
Purchased	146,148	162,388	145,325	132,659	204,081
Produced (a)	17,341	14,049	12,415	13,686	23,615
Total	163,489	176,437	157,740	146,345	227,696
Used in:					
Conditioning	7,212	9,020	9,064	8,106	14,143
Scrap preparation	733	1,013	930	922	1,298
Other burning and welding	4,292	4,542	3,146	3,065	5,439
Blast furnaces	18,031	24,271	16,223	16,057	24,278
Steelmaking:					
Open hearth	10,795	15,869	8,566	9,478	21,701
Basic oxygen process	100,721	101,921	99,608	89,809	139,549
Electric	14,702	12,323	9,682	8,453	13,001
Total Steelmaking	126,218	130,113	117,856	107,740	174,251
Maintenance and construction	357	609	1,098	1,236	1,074
All other	6,646	6,869	9,423	9,219	7,213
Total	**163,489**	**176,437**	**157,740**	**146,345**	**227,696**

(a) Produced on companies owned or leased facilities.
NOTE: Oxygen consumed in liquid form was converted to its gaseous equivalent in these statistics.

Table 39

Consumption of Fuels

Year	Purpose					
	Blast Furnace Area		Steel Melting Furnaces	Heating and Annealing Furnaces	Other	Total
	Blast Furnaces	Other Uses*				
	Fuel Oil (Thousand of gallons)					
1985	99,674	3,583	48,390	29,125	52,625	**233,397**
1984	131,437	6,982	54,339	56,379	72,763	**321,900**
1983	123,709	16,212	64,081	84,436	142,637	**431,075**
1982	111,971	9,509	59,484	94,393	99,122	**374,479**
1981	277,997	4,045	114,536	125,295	126,311	**648,184**
	Tar and Pitch (Thousands of gallons)					
1985	7,960		7,098			**15,058**
1984	8,952		15,690			**24,642**
1983	7,243		11,831		969	**20,043**
1982	21,317		19,758		3,485	**44,560**
1981	27,753		14,196	12,687	4,546	**59,182**
	Liquid Petroleum Gas (Thousands of gallons)					
1985	†	†	†	†	1,043	**1,043**
1984	†	†	†	355	1,496	**1,851**
1983	†	†	†	558	1,624	**2,182**
1982	†	†	†	1,300	3,096	**4,396**
1981	†	†	†	2,606	3,720	**6,326**

* Includes coke oven underfiring.

† Included with "Other"

Table 39 *(continued)*
Consumption of Fuels

Year	Purpose					
	Blast Furnace Area		Steel Melting Furnaces	Heating and Annealing Furnaces	Other	Total
	Blast Furnaces	Other Uses*				
	Natural Gas (Millions of cubic feet—based on 1,000 B.T.U. per cubic foot)					
1985	25,621	6,812	18,250	197,823	99,269	**347,775**
1984	29,235	10,542	20,688	228,082	102,676	**391,223**
1983	19,061	14,700	19,310	216,262	109,718	**379,051**
1982	19,160	22,150	20,530	219,371	130,134	**411,345**
1981	26,398	43,689	34,936	339,527	168,665	**613,215**
	Coke Oven Gas (Millions of cubic feet—based on 500 B.T.U. per cubic foot)					
1985	18,687	151,437	485	100,892	101,699	**373,200**
1984	17,185	163,465	1,897	105,554	105,461	**393,562**
1983	8,463	150,466	28	103,950	75,972	**338,879**
1982	7,106	168,798	1,796	123,357	109,613	**410,670**
1981	10,990	247,417	4,725	195,210	163,094	**621,436**

* Includes 200,911 coke oven underfiring in 1981, 128,211 in 1982, 110,782 in 1983, 130,211 in 1984, and 117,074 in 1985.

	Blast Furnace Gas (Millions of cubic feet—based on 95 B.T.U. per cubic foot)					
1985	815,434	610,696	1,298	37,827	877,346	**2,342,601**
1984	873,752	674,791	1,386	41,243	793,539	**2,384,711**
1983	844,815	602,573	1,386	25,139	720,452	**2,194,365**
1982	796,165	576,485	6,173	32,651	724,956	**2,136,430**
1981	1,238,051	886,145	10,200	66,265	1,135,731	**3,336,392**

* Includes coke oven underfiring.

CANADIAN STATISTICS

Table 40

Income, Dividends, Return on Sales and Stockholders' Equity

(Millions of Canadian dollars)

(Reported by companies comprising 78% of Canadian Raw Steel Production)

	1985[P]	1984[R]	1983	1982
Statement of Income:				
Revenues:				
Sales (Net billing value of products shipped and other services)	$5,909.4	$5,723.1	$4,691.3	$4,671.7
Interest, dividends and other income	70.1	49.1	11.6	25.8
Total Revenue	**5,979.5**	**5,772.2**	**4,702.8**	**4,697.5**
Costs Applied to Billings and Other Services:				
Employment costs	1,468.8	1,431.1	1,259.3	1,259.2
Materials, supplies, freight and other services,etc.	3,691.9	3,591.3	3,058.5	3,110.6
Depreciation, depletion and amortization	264.9	268.1	245.5	242.7
Interest and other financial costs	164.7	171.6	172.6	153.0
Taxes other than income	25.2	22.3	21.6	31.1
Taxes on income	111.6	89.0	(41.8)	(81.7)
Loss or (gain) on discontinued operations and sales of assets (a)	...	...	...	5.5
Unusual items	...	...	.4	...
Total Costs	**5,727.1**	**5,573.4**	**4,716.1**	**4,720.4**
Extraordinary & other items net of taxes	(2.2)	(51.6)	...	...
Net Income	**$ 250.2**	**$147.2**	**$ (13.3)**	**$ (22.9)**
Percent Cent Return on Sales	4.2	2.6	(0.3)	(0.5)
Percent Return on Stockholders' Equity (b)	6.8	4.1	(0.4)	N.A.
Cash Dividends Declared	$ 182.7	$ 155.7	$ 140.8	$ 162.9
Employees	43,600	44,400	42,300	N.A.

(a) Includes only pretax (gains) or losses which were seperately disclosed in annual financial statements to stockholders.
(b) Based on stockholders' equity as of Dec. 31 of the prior year.
Totals do not necessarily add due to rounding.

Table 41

Balance Sheet

(Millions of Canadian dollars)

(Reported by companies comprising 78% of Canadian Raw Steel Production)

Assets	1985[P]	1984[R]	1983	1982
Current Assets:				
Cash and marketable securities	$ 755.1	$ 355.4	$ 458.3	$ 250.2
Receivables, less allowances	832.6	779.5	691.2	539.3
Inventories	1,807.0	1,778.5	1,528.5	1,595.0
Other Current Assets	18.0	11.5	13.6	12.0
Total Current Assets	**3,412.7**	**2,924.9**	**2,691.6**	**2,396.6**
Long term receivables and other investments	292.5	280.4	307.8	33.9
Fixed assets:				
Property, plant and equipment	7,264.4	6,802.1	6,733.2	6,651.9
Less—Depreciation, depletion and amortization	3,301.7	3,046.8	2,801.4	2,273.8
Net Fixed Assets	3,962.7	3,755.3	3,931.8	4,378.1
Other assets	105.4	81.3	13.4	14.7
Total Assets	**$7,773.3**	**$7,041.8**	**$6,944.6**	**$6,823.3**
Liabilities and Stockholders' Equity				
Current Liabilities:				
Accounts payable	$ 862.4	$ 712.7	$ 677.6	*
Accrued taxes, including income taxes	69.9	128.2	97.6	$ 57.1
Long-term debt maturing within one year	46.1	43.3	33.7	29.1
All other current liabilities	92.3	34.1	181.8	627.2
Total Current Liabilities	**1,070.8**	**918.3**	**990.7**	**713.4**
Long-term debt less amount maturing within one year	1,666.7	1,526.1	1,447.9	1,478.4
Other long-term liabilities and reserves	880.6	832.6	860.7	924.5
Redeemable preferred stock	341.8	71.6	73.8	N.A.
Stockholders' Equity:				
Preferred stock	798.1	801.8	806.4	941.4
Common stock	756.0	690.1	549.8	379.4
Income reinvested in business	2,259.3	2,201.3	2,215.3	2,386.2
Total Stockholders' Equity	**$3,813.4**	**$3,693.2**	**$3,571.5**	**$3,707.0**
Total Liabilities and Stockholders' Equity	**$7,773.3**	**$7,041.8**	**$6,944.6**	**$6,823.3**

*Included in All Other Current Liabilities.

Table 42

Production of Pig Iron and Ferroalloys

(Net tons)

Year	Pig Iron			Ferroalloys	Total
	Basic	All Other	Total		
1985	N/A	N/A	10,654,200	N/A	10,654,200
1984	N/A	N/A	10,629,765	221,800	10,851,565
1983	N/A	N/A	9,442,986	195,700	9,638,686
1982	8,226,969	591,595	8,818,564	203,378	9,021,942
1981	9,929,454	810,804	10,740,258	310,685	11,050,943
1980	11,040,417	966,650	12,007,067	318,901	12,325,968
1979	11,464,845	556,588	12,021,433	192,462	12,213,895
1978	10,486,271	909,717	11,395,988	265,042	11,661,030
1977	10,030,103	619,244	10,649,347	213,140	10,862,487
1976	10,104,675	698,554	10,803,229	247,997	11,051,226

Source: Statistics Canada.

Table 43

Materials Consumed by Blast Furnaces in the Production of Pig Iron

Year	Net Tons			Consumption per Ton of Pig Iron		
	Ore, Cinder, etc.	Limestone	Coke	Ore, Cinder, etc.	Limestone	Coke
1985	14,422,758	111,125	4,962,926	1.354	0.010	0.466
1984	16,787,673	173,327	5,131,838	1.579	0.016	0.483
1983	14,697,218	215,006	4,414,226	1.556	0.023	0.467
1982	13,610,281	193,297	4,139,690	1.543	0.022	0.469
1981	15,817,001	259,426	4,552,753	1.473	0.024	0.424
1980	17,372,626	345,971	5,343,851	1.447	0.029	0.445
1979	18,601,580	469,846	5,458,170	1.547	0.039	0.454
1978	17,215,864	430,699	4,925,123	1.511	0.038	0.432
1977	15,490,321	361,054	4,798,210	1.455	0.034	0.451
1976	15,098,856	818,426	5,131,274	1.398	0.076	0.475

Source: Statistics Canada.

Table 44

Raw Steel Production

(Net tons)

Year	Open Hearth	Basic Oxygen Process	Electric	Total	Steel for Castings*	Alloy Steel Incl. in Total	Continuous Cast Incl. in Total
1985	**	11,633,276	4,385,334	16,018,610	116,293	1,304,391	7,037,419
1984	**	11,832,642	4,225,487	16,058,129	144,804	1,565,742	6,225,060
1983	1,014,966	9,364,629	3,650,893	14,030,488	114,752	1,023,272	5,292,981
1982	1,814,266	7,989,644	3,161,669	12,965,579	120,257	1,137,866	4,293,022
1981	2,203,771	9,567,252	4,363,641	16,134,664	191,747	1,829,032	5,258,275
1980	3,583,430	9,669,217	4,275,473	17,528,120	239,495***	2,231,062	4,489,581
1979	3,632,219	10,048,152	4,042,636	17,723,007	246,203	2,458,253	3,518,894
1978	3,338,969	9,274,452	3,809,307	16,422,728	187,936	2,039,373	3,319,119
1977	3,174,390	8,766,492	3,084,991	15,025,873	164,353	1,864,649	2,390,965
1976	3,275,098	8,758,757	2,615,367	14,649,222	183,563	1,754,172	1,860,001

*Includes only that portion of the steel for castings which was produced in foundries operated by companies producing steel ingots.
**Included in Basic Oxygen.
***Included in total 1980 and prior years.

Source: Statistics Canada.

Table 45

Net Shipments of Rolled Steel Products

(Net tons)

Products	1985	1984	1983	1982	1981
Ingots and semifinished shapes	406,540	594,400	824,174	578,736	1,098,708
Rails and heavy structural shapes*	586,312	573,348	505,527	454,257	925,608
Wire rods	1,154,729	1,199,146	1,129,709	989,851	1,088,166
Structural shapes intermediate**	352,425	324,346	287,179	238,106	391,404
Bar sized shapes	195,410	181,368	140,442	127,372	182,561
Concrete reinforcing bars	622,082	523,279	580,257	598,187	750,665
Other hot rolled bars	1,253,544	1,208,846	937,983	830,121	1,126,657
Tie plates and track material	54,163	75,271	55,080	63,033	74,934
Plates (incl. plates for pipe & tube)	1,627,336	1,635,150	1,118,416	1,237,498	1,987,162
Hot rolled sheets & strip	3,020,767	3,047,059	2,328,771	2,203,371	2,506,978
Cold finished bars	130,642	135,967	99,227	75,258	104,763
Cold reduced sheets and strip, cold rolled other	2,114,188	2,061,483	1,966,885	1,884,419	1,941,128
Galvanized sheets	1,336,334	1,182,101	1,046,692	1,025,365	1,047,990
Total net shipments	**12,854,472**	**12,741,764**	**11,020,342**	**10,305,574**	**13,226,733**

Source: Statistics Canada

*Prior to 1980, included only rails.

**Prior to 1980, included structural shapes and piling.

Table 45 (continued)

Net Shipments of Rolled Steel Products

(Net tons)

Products	1980	1979	1978	1977	1976
Ingots and semifinished shapes	897,005	551,343	671,919	640,276	490,926
Rails and heavy structural shapes*	862,691	380,919	290,724	350,446	388,751
Wire rods	1,363,294	1,257,889	1,100,126	863,872	804,085
Structural shapes intermediate**	458,798	919,602	891,647	668,854	563,104
Bar sized shapes	177,693	230,484	215,002	156,311	119,354
Concrete reinforcing bars	843,294	584,086	633,338	545,742	534,280
Other hot rolled bars	1,105,299	1,343,722	1,260,283	1,098,700	1,011,897
Tie plates and track material	87,256	79,021	70,312	75,072	80,420
Plates (Incl. plates for pipe & tube)	1,954,672	1,874,681	1,636,158	1,253,259	1,163,917
Hot rolled sheets & strip	2,557,134	2,818,510	2,728,914	2,691,196	2,700,730
Cold finished bars	108,224	130,704	108,942	93,973	84,046
Cold reduced sheets and strip, cold rolled other	2,037,874	2,134,726	2,107,878	1,955,483	1,945,350
Galvanized sheets	1,099,256	1,175,237	1,173,534	983,273	911,542
Total net shipments	**13,552,490**	**13,480,924**	**12,888,777**	**11,376,457**	**10,798,402**

Source: Statistics Canada

*Prior to 1980, included only rails

**Prior to 1980, included structural shapes and piling.

Table 46

Imports of Iron and Steel Products

(Net tons)

Products	1985	1984	1983	1982	1981
Steel Mill Products:					
Ingots, blooms, billets, etc	159,473	203,074	40,962	17,978	188,521
Wire rods	246,062	255,823	151,243	124,403	215,727
Structural shapes (plain 3" and over)	173,072	206,972	129,600	102,020	343,732
Sheet piling	9,458	8,625	10,570	8,387	18,437
Plates	255,052	208,856	151,775	225,364	709,810
Rails and track accessories	79,721	37,288	22,109	34,981	46,037
Concrete reinforcing bars	13,264	6,454	10,979	11,571	16,255
Bar shapes under 3"	70,652	48,274	35,632	18,030	30,929
Bars—Hot rolled—Carbon	56,613	77,683	58,068	36,565	76,505
—Alloy	57,994	85,033	71,526	56,949	47,437
—Cold finished	21,699	18,189	11,754	8,670	15,494
Pipe and tubing	500,712	344,557	238,641	273,923	400,335
Wire drawn	66,707	59,923	46,9[illegible]	34,789	49,032
Barbed wire	3,820	3,345	1,858	2,360	2,396
Wire nails	11,784	16,940	15,372	11,918	20,535
Tin plate	588	2,384	2,425	4,835	4,042
Terne plate	18,807	20,228	20,332	14,050	15,932
Sheets—Hot rolled	426,326	159,203	143,322	91,448	665,865
—Cold rolled	232,142	197,975	120,439	99,248	211,269
Sheet & strip (Coated, incl. galvanized)	180,831	129,574	108,812	101,102	163,338
All other sheet and strip	40,807	30,806	27,019	42,333	78,381
Total Steel Mill Products	**2,625,584**	**2,121,206**	**1,419,407**	**1,320,924**	**3,320,009**
Other Steel Products:					
Steel castings and forgings	17,675	13,041	12,054	13,044	15,273
Bars and rods, fabricated	5,616	5,954	3,042	3,796	5,036
Plates, flanged and dished	1,906	1,643	1,804	3,565	5,004
Plates, sheets and strip for saws	3,015	3,830	2,969	2,455	6,405
Plates, fabricated	5,475	4,717	3,521	5,344	12,707
Sheet and strip, fabricated	12,498	10,127	7,916	7,835	14,581
Structural shapes, fabricated	3,183	2,972	3,029	4,194	7,449
Wire strand	8,854	6,963	5,648	4,873	6,660
Wire rope	19,611	16,039	15,283	12,318	13,976
Grinding balls	19,877	15,612	12,608	8,373	17,709
Total Other Steel Products	**97,710**	**80,898**	**67,874**	**65,797**	**104,800**
Total Steel Products	**2,723,294**	**2,202,104**	**1,487,281**	**1,386,721**	**3,424,809**
Iron Products and Ferroalloys:					
Pig iron	11,111	5,808	5,353	2,708	7,677
Sponge iron	2,662	3,195	2,082	2,456	4,978
Castings and forgings	22,192	34,772	29,502	15,385	17,950
Pipes and tubes, cast iron	1,224	3,821	1,030	1,291	1,567
Ferroalloys	87,403	109,896	78,394	68,079	115,982
Total Iron Products and Ferroalloys	**124,592**	**157,492**	**116,361**	**89,919**	**148,154**
Grand Total	**2,847,886**	**2,359,596**	**1,603,642**	**1,476,640**	**3,572,963**

Source: Statistics Canada.

Table 47

Exports of Iron and Steel Products

(Net tons)

Products	1985	1984	1983	1982	1981
Steel Mill Products:					
Ingots, blooms, billets, slabs, etc.	84,560	274,523	638,325	284,623	986,122
Wire rods	355,215	368,609	304,826	377,712	358,868
Structural shapes and piling	320,360	277,979	249,993	235,137	295,896
Plates	186,415	197,132	153,931	276,005	329,366
Rail and track accessories	50,139	72,632	20,545	61,915	212,402
Bars—Hot rolled	326,424	284,114	303,796	225,396	294,672
—Cold finished	32,244	32,299	19,406	15,035	16,527
Pipe and tubing	477,510	445,167	251,438	275,233	513,282
Wire, plain and coated	180,928	183,435	141,898	98,039	107,831
Wire nails	86,118	68,337	76,151	73,969	70,838
Sheets and strip	1,157,096	882,997	564,687	1,216,026	581,122
Sheets and strip—Galvanized	277,731	316,111	230,400	380,649	173,708
Total Steel Mill Products	**3,534,740**	**3,403,335**	**2,955,396**	**3,519,739**	**3,940,634**
Other Steel Products:					
Bars and rods, fabricated	20,403	14,369	9,908	6,269	4,069
Grinding balls	31	1,400	112	3,790	10,383
Castings and forgings	45,624	56,957	41,946	40,617	51,705
Wire rope and strand	9,306	7,357	5,245	8,087	9,959
Total Other Steel Products	**75,364**	**80,083**	**57,211**	**58,763**	**76,116**
Total Steel Products	**3,610,104**	**3,483,418**	**3,012,607**	**3,578,502**	**4,016,750**
Iron Products and Ferroalloys:					
Pig iron	632,850	432,256	383,913	535,304	514,074
Sponge iron	40,091	50,192	40,717	31,994	135,870
Iron castings	88,763	96,411	82,152	70,678	96,517
Pipe and tubes, cast iron	2,153	8,604	14,874	30,246	41,087
Ferroalloys	95,063	54,456	57,903	63,517	126,507
Total Iron Products and Ferroalloys	**858,920**	**641,919**	**579,559**	**731,739**	**914,055**
Grand Total	**4,469,024**	**4,125,337**	**3,592,166**	**4,310,241**	**4,930,805**

Source: Statistics Canada.

Table 48

Consumption of Coal

(Thousands of net tons)

Year	In production of Coke	Total
1985	6,897	6,901
1984	7,212	7,214
1983	6,228	6,229
1982	5,500	5,504
1981	6,933	6,937
1980	7,624	7,627
1979	7,688	7,688
1978	7,528	7,532
1977	7,268	7,269
1976	7,922	7,923

Table 49

Consumption of Coke

(Thousands of net tons)

Year	In Blast Furnaces*	Total
1985	5,009	5,011
1984	5,069	5,071
1983	4,635	4,636
1982	3,693	3,695
1981	4,283	4,285
1980	5,123	5,126
1979	4,859	4,863
1978	4,906	4,908
1977	4,838	4,839
1976	5,131	5,133

*Blast furnaces producing pig iron and ferroalloys.

Table 50

Consumption of Fuel Oil

(Thousands of gallons)

Year	In Melting Furnaces	In Heating and Annealing Furnaces	Other Purposes	Total
1985	34,044	15,037	10,901	59,982
1984	49,668	19,555	6,339	75,562
1983	55,577	19,329	5,802	80,708
1982	73,801	20,227	10,793	104,821
1981	148,967	17,692	7,421	174,080
1980	145,451	21,088	17,030	183,569
1979	162,770	25,779	5,647	194,196
1978	191,621	30,317	15,145	237,083
1977	158,013	30,111	8,356	196,480
1976	110,254	33,239	9,443	152,936

Table 51

Consumption of Fluxes in Steelmaking Furnaces

(Thousands of net tons)

Year	Fluorspar	Limestone	Lime	Other Fluxes	Total
1985	21	73	763	229	1,086
1984	28	75	767	179	1,049
1983	24	67	748	159	998
1982	26	88	678	132	924
1981	29	89	786	122	1,026
1980	38	112	764	121	1,035
1979	33	130	821	131	1,115
1978	37	107	801	147	1,092
1977	30	90	755	145	1,020
1976	26	113	810	99	1,048

Table 52

Consumption of Oxygen

(Millions of cubic feet)

	1985	1984	1983	1982	1981
Consumption By Uses:					
Conditioning	1,613	1,470	1,383	1,206	1,426
Scrap preparation	331	346	348	269	257
Other burning and welding	176	184	160	185	159
Blast furnaces	1,243	1,137	1,086	941	5,857
Steelmaking:					
Open hearth	+	2,374	1,367	3,196	3,949
Basic oxygen process & Electric	22,752	19,915	17,849	15,024	17,837
Total steelmaking	22,752	22,289	19,216	18,220	21,786
Maintenance & construction	31	29	26	21	19
All other	916	1,174	1,532	2,148	2,828
Total	**27,062**	**26,629**	**23,751**	**22,990**	**32,332**

+ Included with Basic Oxygen and Electric.

Table 53

Consumption of Pig Iron

(Thousands of net tons)

Year	Steelmaking	Other Than Steelmaking	Total
1985	9,882	64	9,946
1984	9,975	223	10,198
1983	8,801	169	8,970
1982	8,154	134	8,288
1981	9,858	272	10,130

WORLD STATISTICS

The following tables covering production of foreign countries were compiled from reports issued by Statistics Canada, and the International Iron and Steel Institute.

Table 54

World Production of Pig Iron by Countries

(Thousands of net tons)

Countries	1985[P] Tons	%	1984[R] Tons	%	1983 Tons	%	1982 Tons	%	1981 Tons	%
North America										
United States	50,446	9.3	51,904	9.6	48,706	9.6	43,309	8.6	73,570	13.3
Canada	10,654	1.9	10,630	2.0	9,443	1.9	8,819	1.8	10,740	1.9
Total	**61,100**	**11.2**	**62,534**	**11.6**	**58,149**	**11.5**	**52,128**	**10.4**	**84,310**	**15.2**
Latin America										
Argentina	1,447	...	1,014	...	1,006	...	1,121	...	1,009	...
Brazil	16,673	...	18,978	...	14,269	...	11,936	...	11,862	...
Chile	639	...	655	...	595	...	499	...	653	...
Columbia	272	...	298	...	295	...	265	...	256	...
Mexico	3,891	...	4,265	...	3,898	...	3,961	...	4,152	...
Peru	180	...	...	...	125	...	179	...	195	...
Venezuela	485	...	358	...	186	...	223	...	463	...
Total	**23,588**	**4.3**	**25,568**	**4.7**	**20,375**	**4.0**	**18,182**	**3.6**	**18,589**	**3.4**
Europe										
Western Europe										
EEC										
Belgium	9,644	...	9,933	...	8,855	...	8,632	...	10,812	...
Luxembourg	3,036	...	3,051	...	2,553	...	2,852	...	3,185	...
France	16,608	...	16,214	...	14,881	...	16,220	...	18,696	...
Italy	12,851	...	12,821	...	11,368	...	12,717	...	13,513	...
Netherlands	5,312	...	5,430	...	4,130	...	3,987	...	5,071	...
West Germany	34,757	...	33,293	...	29,319	...	30,447	...	35,137	...
United Kingdom	11,444	...	10,458	...	10,446	...	9,179	...	10,439	...
Greece	138	...	138	...	138	...	110	...	44	...
Total EEC	93,789	17.3	91,337	16.9	81,690	16.1	84,144	16.7	96,897	17.6
Other Western Europe										
Austria	4,083	...	4,128	...	3,660	...	3,434	...	3,833	...
Finland	2,095	...	2,242	...	2,092	...	2,143	...	2,166	...
Norway	668	...	605	...	657	...	534	...	628	...
Portugal	456	...	411	...	391	...	236	...	346	...
Spain	6,037	...	5,884	...	5,973	...	6,612	...	6,898	...
Sweden	2,672	...	2,440	...	2,217	...	1,961	...	1,951	...
Switzerland	61	...	60	...	11	...	11	...	36	...
Turkey	3,520	...	3,199	...	2,997	...	2,396	...	2,260	...
Yugoslavia *	3,429	...	3,137	...	3,126	...	2,978	...	3,104	...
Total Other Western Europe	23,022	4.2	22,107	4.1	21,124	4.2	20,304	4.0	21,224	3.8
Total Western Europe	**116,811**	**21.5**	**113,444**	**21.0**	**102,815**	**20.3**	**104,448**	**20.7**	**118,120**	**21.4**

* Communist Bloc

Table 54 *(continued)*

World Production of Pig Iron by Countries

(Thousands of net tons)

Countries	1985[P] Tons	%	1984[R] Tons	%	1983 Tons	%	1982 Tons	%	1981 Tons	%
Eastern Europe										
(Communist Bloc)										
Bulgaria	1,764		1,745		1,802		1,724		1,670	
Czechoslovakia	10,582		10,539		10,434		10,499		10,916	
East Germany	2,756		2,601		2,433		2,369		2,681	
Hungary	2,205		2,310		2,270		2,426		2,438	
Poland	10,196		10,513		9,028		9,521		9,763	
Rumania	10,472		10,535		13,081		14,391		14,357	
U.S.S.R.	122,355		122,135		121,752		117,641		118,790	
Total Eastern Europe	**160,330**	**29.5**	**160,378**	**29.7**	**161,600**	**31.8**	**158,570**	**31.5**	**160,616**	**29.1**
Total Europe	**277,141**	**51.0**	**273,822**	**50.7**	**264,415**	**52.1**	**263,018**	**52.2**	**278,736**	**50.5**
Africa										
Zimbabwe	882		441		644		527		709	
South Africa, Republic of	5,525		6,097		5,748		7,454		8,118	
Algeria	1,213		1,213		1,213		1,209		989	
Tunisia	165		165		162		107		174	
Other	22		22		22		22		22	
Total	**7,807**	**1.4**	**7,938**	**1.5**	**7,789**	**1.5**	**9,319**	**1.8**	**10,012**	**1.8**
Middle East										
Iran	276		276		265		243		231	
United Arab Republic (Egypt)	1,047		1,035		716		728		716	
Total	**1,323**	**0.3**	**1,311**	**0.3**	**981**	**0.2**	**971**	**0.2**	**947**	**0.2**
Far East										
India	10,841		10,432		10,099		10,626		10,443	
Japan	88,811		88,628		80,397		85,599		88,237	
South Korea	9,737		9,659		8,845		9,307		8,736	
Taiwan	3,780		3,624		3,764		2,971		1,776	
Thailand	22		22		22		22		22	
Total	**113,191**	**20.8**	**112,365**	**20.8**	**103,127**	**20.3**	**108,525**	**21.6**	**109,214**	**19.8**
Far East										
(Communist Bloc)										
China	45,194		44,092		41,204		39,143		37,661	
North Korea	8,543		6,338		6,063		5,787		5,512	
Total	**53,737**	**9.9**	**50,430**	**9.3**	**47,267**	**9.3**	**44,930**	**8.9**	**43,173**	**7.8**
Oceania										
Australia	**6,178**	**1.1**	**5,873**	**1.1**	**5,580**	**1.1**	**6,562**	**1.3**	**7,430**	**1.3**
Total World	**544,065**	**100.0**	**539,841**	**100.0**	**507,683**	**100.0**	**503,635**	**100.0**	**552,411**	**100.0**

NOTE: Detail does not necessarily add to totals.
Source: United States—American Iron and Steel Institute; Canada—Statistics Canada. Other Countries—International Iron and Steel Institute.

Table 55

World Production of Raw Steel by Countries

(Thousands of net tons)

Countries	1985[P] Tons	%	1984[R] Tons	%	1983 Tons	%	1982 Tons	%	1981 Tons	%
North America										
United States	88,259	11.1	92,528	11.8	84,615	11.6	74,577	10.5	120,828	15.5
Canada	16,019	2.0	16,058	2.1	14,030	1.9	12,966	1.8	16,135	2.1
Total	**104,278**	**13.1**	**108,586**	**13.9**	**98,645**	**13.5**	**87,543**	**12.3**	**136,963**	**17.6**
Latin America										
Argentina	3,241		2,918		3,243		3,211		2,784	
Brazil	22,546		20,266		16,172		14,324		14,521	
Chile	754		761		674		532		724	
Columbia	584		553		510		451		436	
Cuba *	441		373		331		364		364	
Mexico	8,004		8,247		7,625		7,778		8,382	
Peru	453		371		319		303		397	
Venezuela	3,368		3,053		2,557		2,511		2,236	
Others	352		366		407		396		266	
Total	**39,742**	**5.0**	**36,908**	**4.7**	**31,838**	**4.4**	**29,870**	**4.2**	**30,110**	**3.9**
Europe										
Western Europe										
EEC										
Belgium-Luxembourg	16,124		16,851		14,826		14,883		17,716	
Denmark	582		604		543		617		675	
France	20,740		20,944		19,381		20,285		23,431	
West Germany	44,640		43,418		39,384		39,551		45,863	
Ireland	224		183		155		67		35	
Italy	26,314		26,524		24,042		26,466		27,309	
Netherlands	6,081		6,326		4,942		4,799		6,031	
United Kingdom	17,330		16,668		16,519		15,107		17,165	
Greece	1,086		990		957		1,003		1,002	
Total EEC	**133,121**	**16.8**	**132,507**	**16.9**	**120,749**	**16.5**	**122,779**	**17.3**	**139,227**	**17.9**
Other Western Europe										
Austria	5,137		5,368		4,862		4,694		5,132	
Finland	2,776		2,909		2,663		2,661		2,676	
Norway	1,041		1,010		988		830		935	
Portugal	730		757		739		578		611	
Spain	15,689		14,878		14,340		14,491		14,214	
Sweden	5,305		5,186		4,641		4,299		4,155	
Switzerland	1,088		1,078		920		920		1,065	
Turkey	5,456		4,773		4,227		3,134		2,673	
Yugoslavia *	4,927		4,724		4,557		4,232		4,383	
Total Other Western Europe	**42,149**	**5.3**	**40,684**	**5.2**	**37,937**	**5.2**	**35,839**	**5.0**	**35,844**	**4.6**
Total Western Europe	**175,270**	**22.1**	**173,191**	**22.1**	**158,686**	**21.7**	**158,618**	**22.3**	**175,071**	**22.5**

* Communist Bloc

Table 55 *(continued)*

World Production of Raw Steel by Countries

(Thousands of net tons)

Countries	1985[P] Tons	%	1984[R] Tons	%	1983 Tons	%	1982 Tons	%	1981 Tons	%
Eastern Europe										
(Communist Bloc)										
Bulgaria	3,175		3,161		3,114		2,851		2,737	
Czechoslovakia	16,485		16,348		16,561		16,570		16,831	
East Germany	8,642		8,348		7,958		7,901		8,230	
Hungary	3,990		4,135		3,987		4,081		4,018	
Poland	17,416		18,224		17,897		16,309		17,325	
Rumania	15,168		15,914		13,881		14,391		14,356	
U.S.S.R.	170,305		169,975		168,113		162,207		163,695	
Total Eastern Europe	**235,181**	**29.7**	**236,105**	**30.2**	**231,511**	**31.7**	**224,308**	**31.6**	**227,192**	**29.1**
Total Europe	**410,451**	**51.8**	**409,296**	**52.3**	**390,197**	**53.4**	**382,926**	**53.9**	**402,263**	**51.6**
Africa										
Zimbabwe	937		466		713		606		762	
Republic of South Africa	9,377		8,523		7,721		9,039		9,925	
Others	1,322		1,247		1,235		1,077		1,071	
Total	**11,636**	**1.5**	**10,236**	**1.4**	**9,669**	**1.3**	**10,722**	**1.5**	**11,758**	**1.5**
Middle East										
Egypt	937		937		937		1,047		992	
Israel	110		101		91		96		126	
Iran	1,323		1,323		1,323		1,323		1,323	
Others	2,027		1,676		1,179		766		715	
Total	**4,397**	**0.6**	**4,037**	**0.5**	**3,530**	**0.5**	**3,232**	**0.5**	**3,156**	**0.4**
Asia										
India	12,280		11,628		11,284		12,122		11,865	
Japan	116,387		116,051		107,109		109,732		112,067	
South Korea	14,924		14,367		13,134		12,961		11,852	
Taiwan	5,609		5,520		5,546		4,577		3,480	
Others	4,161		3384		2,706		2,444		1,926	
Total	**153,361**	**19.4**	**150,950**	**19.3**	**139,779**	**19.1**	**141,836**	**20.0**	**141,190**	**18.1**
Asia										
(Communist Bloc)										
China	51,477		47,796		44,114		40,915		39,238	
North Korea	9,259		7,165		6,724		6,393		6,062	
Total	**60,736**	**7.7**	**54,961**	**7.0**	**50,838**	**6.9**	**47,308**	**6.6**	**45,300**	**5.8**
Oceania										
Australia	7,062		6,947		6,176		7,023		8,415	
New Zealand	250		309		258		278		244	
Total	**7,312**	**0.9**	**7,256**	**0.9**	**6,434**	**0.9**	**7,301**	**1.0**	**8,659**	**1.1**
Total Free World	**490,628**	**62.0**	**486,067**	**62.1**	**443,693**	**60.7**	**434,525**	**61.1**	**502,160**	**64.4**
Total Communist Bloc	**301,285**	**38.0**	**296,163**	**37.9**	**287,237**	**39.3**	**276,213**	**38.9**	**277,239**	**35.6**
Total World	**791,913**	**100.0**	**782,230**	**100.0**	**730,930**	**100.0**	**710,738**	**100.0**	**779,399**	**100.0**

NOTE: United States data excludes steel produced by foundries which report their output to the Bureau of Census, but not to American Iron and Steel Institute as follows: 1985—889[P], 1984—940[R], 1983—729; 1982—1,017; 1981—1,743; (in thousands of net tons).
SOURCE: United States—American Iron and Steel Institute; Canada—Statistics Canada. Other Countries—International Iron and Steel Institute.